PUBLIC WORKS, IRELAND.

THIRTY-EIGHTH REPORT

FROM THE

BOARD OF PUBLIC WORKS, IRELAND:

WITH THE

APPENDICES,

FOR THE YEAR 1869-70.

Presented to both Houses of Parliament by Command of Her Majesty.

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PUBLIC WORKS, IRELAND.

THIRTY-EIGHTH ANNUAL REPORT

FROM

THE BOARD OF PUBLIC WORKS IN IRELAND,

FOR THE YEAR 1869–70.

TO THE LORDS COMMISSIONERS OF HER MAJESTY'S TREASURY.

MAY IT PLEASE YOUR LORDSHIPS,

WE have the honour to submit our Thirty-eighth Annual Report, embracing, in the usual manner, the several services intrusted to our management, viz. :—

Accounts :—
- Loans for Public Works, Advances and Repayments.
- Sanctions for Grants.

Public Buildings, viz. :—
- Dublin Buildings, including Viceregal Residences and Establishments in Dublin Castle and the Phœnix Park, the Courts of Law, Public Offices, Government Prisons, Constabulary Depôt, General Post Office and Metropolitan Police Stations of the Dublin District, the Royal Hospital, Kilmainham, the Royal Hibernian Military School, the Royal Dublin Society and Glasnevin Gardens, the Royal Irish Academy, the National Gallery of Ireland, Irishtown Church.
- Constabulary Buildings throughout Ireland.
- Coast-Guard Stations do.
- Customs Buildings do.
- Inland Revenue Buildings do.
- Post Offices.
- Queen's Colleges, at Cork, Belfast, and Galway.
- National Education Buildings.
- Phœnix Park.
- Loans for Erecting Labourers' Dwellings in Towns and Populous Places.
- Supply of Fuel and Light to all Public Offices in Ireland.

Landed Property Improvement, including—
- Drainage of Lands, &c.
- Erection of Farm Houses and Farm Buildings.
  - Do. Scutch Mills.
  - Do. Labourers' Dwellings.
- Loans for Planting Trees for Shelter.

Arterial Drainage, with Improvement of Navigation and Water-power.

Drainage and Improvement of Lands.
- Drainage Maintenance.

Harbours.

Fishery Piers and Harbours.

Inland Navigations.

Utilization of Sewage Act.

Tramways.

Post Roads.

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LOANS AND GRANTS FOR PUBLIC WORKS

STATEMENTS of outstanding Loans made for PUBLIC WORKS will be found in the APPENDIX, and the following is an Abstract of the funds which have from time to time been sanctioned, showing the amounts issued on account of each description of Loans, the Amounts remitted, and the Repayments on Account, to the 31st March, 1870; also the Sums issued and Repaid within the year

SANCTIONS	£ s. d.	£ s. d.	For what purposes issued	Advances. Total to 31st March, 1870. £ s. d.	Advances. In the year ended 31st March, 1870 £ s. d.	Remittances. £ s. d.	Repayments. Total to 31st March, 1870 £ s. d.	Repayments. In the year ended 31st March, 1870. £ s. d.
Act 1 & 2 Wm. IV., c. 33,	744,650 0 0		Public Works,	1,319,593 2 8	27,353 4 0	73,111 13 8	1,424,785 3 1	2,312 16 2
Act 6 & 7 Wm. IV., c. 109,	100,000 0 0							
Act 1 & 2 Vic., c. 88,	46,000 0 0							
Total issued in Exchequer Bills,		890,650 0 0						
Act 6 & 7 Vic., c. 44, continued by various Acts to 20 & 30 Vic., c. 73, granting £18,000 per quarter,	1,710,000 0 0		Relief Works, 9 Vic., c. 1,	226,349 18 11	—	188,678 1 10	88,338 1 3	—
Act 9 & 10 Vic., c. 108,	145,000 0 0							
Act 10 & 11 Vic., c. 106,	370,000 0 0							
Act 12 Vic., c. 23,	200,000 0 0							
Act 11 & 12 Vic., c. 81,	138,648 15 7		Arterial Drainage,	2,156,598 6 3	15,380 0 0	1,195,019 12 3	1,236,187 18 9	50,518 0 0
Act 13 & 14 Vic., c. 81,	800,000 0 0							
		3,363,648 15 7						
Act 9 & 10 Vic., c. 107, for the Employment of the Labouring Poor,	—	4,797,648 12 1	County Relief Works, Labourers Drainage,	4,597,778 2 11	—	4,294,947 18 3	302,830 4 8	—
				193,870 9 2	—	—	271,079 13 4	10,419 6 10
Act 2 & 3 Vic., c. 61, for the Improvement of Shannon Navigation,	—	294,090 0 0	Shannon Navigation,	294,090 0 0	—	—	322,913 7 11	—
Act 10 Vic., c. 32, for Land Improvement,	1,500,000 0 0							
Act 12 Vic., c. 23, do.,	300,000 0 0							
Act 13 & 14 Vic., c. 31, do.,	200,000 0 0							
Act 29 & 30 Vic., c. 40, do.,	1,000,000 0 0		Drainage, Farm buildings, Labourers' dwellings, Planting for shelter &c.,	2,064,905 4 4	83,775 0 0	—	2,002,407 10 4	108,679 11 2
		3,000,000 0 0						
Total Sanctions,	—	12,346,037 7 8		10,859,190 5 5	126,510 4 0	5,710,787 6 0	5,654,512 1 4	172,930 14 2
Deduct Advances,	—	10,859,190 5 3						
Balance available for further Advances,	—	1,486,847 2 3						
Viz. —								
Public Works Loan Fund,	551,752 6 7							
Land Improvement,	935,094 15 8							

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SANCTIONS FOR GRANTS.

	£	s.	d.	£	s.	d.
By Act 1 & 2 Wm. 4, c. 33, for Public Works,	50,000	0	0			
By Act 1 Vic., c. 21, for Public Works,	50,000	0	0			
By Act 1 & 2 Vic., c. 88 (portion of £50,000), appropriated to Grants for Public Works,	4,000	0	0			
By Act 6 & 7 Vic., c. 44, for Public Works,	21,000	0	0	125,000	0	0
By Act 9 Vic., c. 1, in aid of Relief Works,	50,000	0	0			
By Act 9 & 10 Vic., c. 108, do.	175,000	0	0	225,000	0	0
By Act 2 & 3 Vic., c. 61, in aid of the Improvement of the Shannon Navigation,	—			290,717	0	0
By Act 9 Vic., c. 3, for Piers and Harbours,	50,000	0	0			
By Act 10 & 11 Vic., c. 75, for do.,	40,000	0	0	90,000	0	0
For Navigation in connexion with Drainage, Act 5 & 6 Vic., 89,	—			141,073	0	0
				871,790	0	0

LOANS.

Loans.

The advances made during the past year under the Public Works and Land Improvement Loan Acts, as will be seen by the statements in the Appendix, amount to £126,810. This sum has been applied under the Board's general control to the following purposes, viz. :—

	£	
Public Works' Loans Act, 1 and 2 Wm. IV., c. 33, &c.—		
For River Drainage Works, 26 and 27 Vic., c. 88,	15,680	
„ Fishery Piers, 9 Vic., c. 3,	2,968	
„ Labourers' Dwellings, 29 & 30 Vic., c. 44,	224	
„ New Bridge at New Ross,	23,043	
To Counties for Roads, &c.,	820	
„ Trustees of Maynooth College,	300	
		43,035
Land Improvement Act, 10 Vic., c. 32, &c.—		
For thorough Drainage, Farm Buildings, Labourers' Dwellings, Planting, Fencing, &c.,		83,775
		£126,810

Detailed reports of most of these services appear in the subsequent pages of this report. The Public Works (Ireland) Act (32 & 33 Vict., c. 74), of last session, extending the time in which Counties may make repayments of loans advanced on Grand Jury Presentments, from ten years, the previous limit, under the 1 & 2 Wm. IV., c. 33, to twenty years, in cases when it shall appear to us (with reference to the nature of the improvements and to the charge on the localities), to be desirable, has been taken advantage of by the Grand Jury of the County of Carlow, who have applied for and been granted two loans, amounting to £3,147, for the purpose of effecting important improvements near the Town of Carlow, and which it is understood would not have been undertaken but for the facilities afforded by the recent Act.

Loans have been sanctioned during the year for the improvement, by means of River Drainage under Local Boards, of three districts, namely, the Camoge, Doohyle, and Upper Inny, to the aggregate amount of £63,938.

The loans which have been made in respect of Fishery Piers and Harbours during the year amount to £772—the greater part of the cost of all these works being defrayed by public grant, under the Act 9 Vic., c. 3, and subsequent Acts. The following are the Piers and Harbours in respect of which the loans were made, viz. :—

	£
Kilkeel,	300
Lady Elizabeth's Cove,	50
Spiddle,	422

Only one loan of £500 has actually been made for the erection of Labourers' Dwellings in Towns, other applications having fallen through from various causes.

The amount of loans advanced under the Land Improvement Acts falls somewhat short of that advanced in the previous year, the figures being respectively £123,196 and

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Loans.

£129,200. Nevertheless, in the operations under the Acts, increased activity is shown by the fact of the issues being greater than in any year since 1851–2, and in excess of last year by £18,802.

The re-payments for the year ended 31st March, 1870, on the various loan accounts amount to £179,930 against £179,172 for the previous year. It is satisfactory to state that the instalments received on so many different accounts, upwards of 6,000, continue, with a few exceptions, to be paid with punctuality.

The Land Improvement Act having been upwards of twenty-two years in operation, the instalments due on the issues made prior to 5th April, 1848, amounting to £154,572, terminated either on the 10th October, 1869, or 5th April, 1870, and the proprietors who received these advances will now have the advantage of the improvements made under that expenditure without further charge.

The Board have also to observe that nearly all the charges created under Mr. Labouchere's letter will terminate after the instalments payable on the 5th April, 1871, have been paid off. The rspayments in the year, in respect of the under mentioned services, are as follow :—

	£	
Public Works, . . .	9,313	
Arterial Drainage, . . .	50,519	
Labouchere Drainage, . .	10,419	
Land Improvement, . .	109,679	
		179,930

Public Buildings.

PUBLIC BUILDINGS.

The usual works of ordinary repairs and maintenance have been carried out at the several Public Buildings and Official Residences in Dublin and throughout the country.

Four Courts.

The works connected with the general re-arrangement of offices at the Four Courts are in progress in accordance with plans approved by the Lord Chancellor and the Irish Government. A new Court aud offices have been provided for the Vice-Chancellor.

Police Courts, &c.

The Barrack which was formerly in rented houses in Beresford-place has been given up, and the force removed to premises in Green-street belonging to the Crown, formerly known as the Old Sheriff's Prison. The old Court in Capel-street has been made available for the purpose of a Barrack. At Dalkey new buildings have been taken for a Barrack, and are now occupied. At Kilmainham the existing station has been considerably enlarged and improved.

Government Prisons.

Alterations have been effected at Spike Island to carry out more effectively the separate system of imprisonment.

Constabulary Buildings.

New Barracks have been erected at Ballyduff, county Waterford, and at Errismore, county Galway. At Killarnsy, county Kerry, a new Barrack is in course of erection, and it is expected will be completed during the present year. Arrangements are being made for building new Barracks at—

Cahirciveen, county Kerry;
Dungannon, county Tyrone;
Carna, county Galway;
Naas, county Kildare;
Skibbereen, county Cork; and
Bruff, county Limerick.

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Public Buildings.

Post Offices.

Extensive alterations are in progress of being made at these buildings consequent on the introduction of the Postal Telegraph Service, and considerable further works will be required during the present year at these establishments.

National Education Buildings.

Twenty-five new ordinary literary National School-houses have been built in the past year at a total cost of £8,162 4*s.* 4*d.*, towards which the Board contributed the sum of £5,441 9*s.* 7*d.*, being two-thirds of the cost; the remaining one-third of the expense being contributed by local persons interested in the schools.

Various additions and improvements, such as providing timber flooring, erecting porches, building enclosing walls and gates, wainscotting, tablet rails, and other works, have been effected at 24 ordinary literary National Schools, at a total cost of £882 0*s.* 9*d.* Towards this sum the Board contributed two-thirds, viz., £588 0*s.* 6*d.*, and the remaining one-third was borne by local persons interested.

Besides this expenditure the Board have expended in repairing and maintaining the Metropolitan (or Central) Model School Buildings, the District Model, Minor Model, and Model Agricultural Schools, the sum of £5,284 8*s.* 4*d.*, and a further sum of £1,376 15*s.* 2*d.* for furniture for those buildings; and on the ordinary literary National Schools in charge of the Board a sum of £2,332 4*s.* has been also expended on works of maintenance and repair.

Labouring Classes Lodging Houses and Dwellings Act (Ireland).

29 & 30 Vic., c. 44.

Only a few loans under these Acts have been made. As the statutes do not give the Government advances a priority of charge, expensive searches as to title and incumbrances are necessary, and this, with the fact that tenants for life are precluded from borrowing, limits and much restricts the operation of the Acts.

Coast-Guard Stations.

The following new Stations have been completed during the past year:—

Ardmore, county Waterford, 1 Chief Officer and 4 men.
Ballygeary, or Roslare, county Wexford, 1 Chief Officer and 7 men.
Ballyheige, county Kerry, 1 Chief Officer, 1 Chief Boatman, and 5 men.
Ballycastle, county Antrim, 1 Chief Officer and 6 men.

Extensive alterations and additions have been made at Ardmore (Rocket Shed), Annalong, Ballingkelligs, Ballycotton, Bray (Boat House), Bearhaven, Ballycroneen, Baldoyle, Bar of Lough, Ballymacaw, Bonmahon, Castletownsend, Crosshaven, Cahore, Carlingford, Clontarf, Cromane, Cranfield Point, Cahirciveen, Courtown, Crookhaven, Dunny Cove, Dunany Point, Dunmore, Fenit, Fethard, Groom's Port (Rocket Shed), Howth, Helvick Head, Knockadoon, Knightstown, Lambay, Larne, Lackeen Point, Malahide, Morris Castle, Moville, Oysterhaven, Old Head, Poor Head, Portrane, Portmagee, Rosses Point, Roche's Point, Robert's Cove, Rathmullen, Rosscarbery, Soldier's Point, Skerries, Tribane, Tarbert, Upper Cove, and Wicklow (Boat House).

The works are in progress at the following new Stations:—

Ballydavid, county Kerry, 1 Chief Boatman and 6 men.
Ballyglass, county Mayo, do. do.
Courtmacsherry, county Cork, 1 Chief Officer, 1 Chief Boatman, and 7 men.
Elly Bay, county Mayo, 1 Chief Boatman and 5 men.
Malin Head, county Donegal, do. do.
Sheephaven, county Donegal, do. do.

Preparations have been made for building new Stations at—

Buncrana, county Donegal, 1 Chief Boatman and 4 men.
Ballintoy, county Antrim, do. do.
Curran's Port, county Donegal, do. do.
Cultra, county Down, do. do.
Seafield, county Clare, 1 Chief Boatman and 6 men.
Skull, county Cork, do. 5 do.
Whitehead, county Antrim, do. 4 do.

Arrangements have also been made for new works and alterations at—Carrickfergus, Whitehouse, and Ballycastle, county Antrim; Mill Cove, Ballycotton, Crosshaven, East Ferry, Kinsale, Knockadoon, Oysterhaven, Poor Head, Robert's Cove, Rosscarbery, and Upper Cove, county Cork; Kilcredane, county of Clare; Cranfield Point, county Down;

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Public Buildings.

Baldoyle, Kingstown, and Sutton, county Dublin; Ballinskelligs, Fenit, Ballydavid, and Waterville, county Kerry; Nanny Water, county Meath; Ballymacaw and Ardmore, county Waterford; Cahore, Ballygeary, and Jack's Hole, county Wexford; Wicklow, county Wicklow.

Works of repair and maintenance have been executed at various Stations during the past year at a cost of £4,711 12*s.* 5*d.*

Fuel and Light, &c.

This service for the twelve months ended 31st March, 1870, embraced the supply to about 250 establishments, of coals, coke, turf, gas, chandlery, &c., to the aggregate amount, including the Phœnix Park, and Kingstown and Howth Harbours, of £16,569.

Land Improvement.

LAND IMPROVEMENT.

In reporting on the operations carried on under the provisions of the Land Improvement Acts during the past year, we submit as usual a table showing the number of applications and the amounts issued in each year from the commencement in 1847 to the close of the financial year 1869-70:—

	No. of Applications	Amount Issued.
1847, June to December (inclusive),	1,354	£72,790
1848,	571	356,160
1849,	643	379,836
1850,	436	250,324
1851,	280	145,653
1852,	164	88,542
1853,	154	55,454
1854,	123	49 293
1855,	98	35,180
1856,	108	32,510
1857,	114	31,674
1858,	112	35,524
1859,	111	29,334
1860,	135	26,902
1861,	154	36,656
1862,	184	61,375
1863,	138	58,830
1864,	132	58,430
1865,	90	46,215
1866,	98	26,290
1867,	145	39,185
1868-9,	179	64,973
1869-70,	166	83,775

This Table shows a progressive and marked increase in the amounts issued in each year since 1866. £83,755, the amount advanced this year, is the largest which has been issued since 1852, and exceeds that issued in 1868–69 by £18,802.

The works under these loans have, as a rule, been well and systematically conducted, both as regards drainage and other works of land improvement, and in the erection and improvement of farm buildings and labourers' cottages.

The instalments issued are, for the most part, speedily expended and satisfactorily accounted for; but in some parts of the country the scarcity of agricultural labourers, which continues to increase, has considerably retarded the progress of the works. Due allowance is made for such delay, but when delay arises where no reasonable cause exists, the Board invariably urge on the borrowers the necessity of using increased exertion, and the cases are rare, indeed, in which it becomes necessary to require the repayment of unexpended instalments.

The number of applications for loans for labourers' dwellings has increased, and is still increasing. It will be seen from the reports of the Inspectors that considerable improvement has taken place in the condition of the agricultural labourers, and that the increased skill which they have acquired in carrying out works of thorough drainage, &c., has resulted in a marked improvement in the manner in which the works are executed.

Up to the 31st March, 1870, 4,693 loans were sanctioned by your lordships, but the whole of the loans so sanctioned have not been issued, for many of them, or portions of them, have been relinquished by the borrowers, or cancelled by the Board under the authority given by the Act 13 & 14 Vic., c. 31.

10 *Vic.* c. 32, 12 *Vic.* c. 23, 13 & 14 *Vic.* c. 31.

At the close of the financial year ended 31st March, 1870, there remained unappropriated out of the fund of £3,000,000 provided for the Land Improvement Service by the Acts quoted in the margin the sum of £831,165.

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The amount issued on account of works up to the 31st March, 1870, was £2,064,905 4s. 4d. *Land Improvement.*

These totals comprise 457 loans, amounting to £187,220, which have been sanctioned for the erection of farm buildings, 119 loans amounting to £66,305 for labourers' dwellings, and 7 loans (£1,940) for the erection of scutch mills for flax.

The following is the usual tabular statement, according to districts and counties, showing the number of applications for loans and the amounts issued for all classes of work under the several Land Improvement Acts up to the 31st March, 1870:—

SCHEDULE showing the NUMBER of APPLICATIONS and AMOUNTS ISSUED.

Name of County.	No. of Applications.	Amount Issued.			Total No. of Applications.	Total Amount Issued.		
		£	s.	d.		£	s.	d.
NORTHERN DIVISION.								
Antrim,	123	85,643	0	0				
Londonderry,	98	39,518	0	0				
Donegal,	188	91,506	0	0				
Fermanagh,	95	44,845	0	0				
Tyrone,	177	69,185	0	0				
Armagh,	52	13,048	0	0				
Down,	61	29,079	0	0				
					794	372,824	0	0
MIDLAND AND EASTERN.								
Cavan,	91	21,811	0	0				
Monaghan,	66	26,399	0	0				
Longford,	112	43,896	0	0				
Louth,	53	22,605	0	0				
Meath,	166	88,141	0	0				
Westmeath,	101	31,718	0	0				
Dublin,	115	27,877	0	0				
Kildare,	137	42,900	0	0				
King's,	106	21,653	0	0				
Queen's,	206	79,835	0	0				
Wicklow,	120	41,996	0	0				
Carlow,	137	61,254	0	0				
Kilkenny,	133	48,131	0	0				
Wexford,	198	81,192	0	0				
					1,741	639,408	0	0
WESTERN.								
Sligo,	133	51,647	0	0				
Leitrim,	121	4[illegible],820	0	0				
Mayo,	279	108,944	0	0				
Roscommon,	229	92,000	0	0				
Galway,	462	131,035	0	0				
Clare,	183	52,296	0	0				
					1,407	481,742	0	0
SOUTHERN.								
Limerick,	412	162,510	0	0				
Tipperary,	314	91,617	0	0				
Waterford,	98	36,605	0	0				
Cork,	646	147,804	0	0				
Kerry,	347	132,395	0	0				
					1,817	570,931	0	0
		Totals,			5,759	2,064,905	0	0

THOROUGH DRAINAGE.

From the commencement of operations under the Land Improvement Acts up to the 31st March in this year, 239,756 acres have been thorough drained at an average cost of £5 18s. an acre. Of this quantity, 3,847 acres have been drained during the period from 1st April, 1869, to 31st March, 1870.

PLANTING FOR SHELTER.

Seven loans, amounting to £3,575, have been made for this description of improvement, and of thirteen other loans planting for shelter forms part of the work estimated for.

FARM BUILDINGS.

Since the passing of the Act 13 & 14 Vic., c. 31, 457 loans, amounting to £187,220, have been sanctioned for the erection of farm buildings, and the operations under 317 of these loans, amounting to £109,779, have been completed.

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Land Improvement.

The following schedule shows the number of loans for farm buildings completed in each county in Ireland, with the sums sanctioned and issued :—

LOANS for FARM BUILDINGS which have been closed.

Name of County.	No. of Loans.	Amount sanctioned.	Amount Issued.	Name of County.	No. of Loans.	Amount sanctioned.	Amount Issued.
		£	£			£	£
Antrim,	4	1,050	1,050	Longford,	9	2,900	2,900
Carlow,	5	1,550	1,550	Louth,	3	1,100	1,000
Cavan,	5	1,620	1,620	Londonderry,	6	1,900	1,900
Clare,	5	1,950	1,950	Mayo,	18	7,000	6,050
Cork,	31	9,650	9,030	Meath,	8	5,850	5,850
Donegal,	6	1,200	1,200	Monaghan,	1	300	300
Down,	4	1,100	1,100	Queen's,	7	3,650	3,550
Dublin,	7	2,650	2,650	Roscommon,	18	6,145	5,754
Fermanagh,	1	650	520	Sligo,	9	4,700	4,330
Galway,	32	11,610	11,420	Tipperary,	25	10,775	9,715
Kerry,	17	6,110	5,140	Tyrone,	8	3,100	3,100
Kildare,	14	4,350	4,090	Waterford,	4	725	725
Kilkenny,	7	1,950	1,950	Westmeath,	8	4,700	3,220
King's,	2	450	450	Wexford,	11	3,675	3,675
Leitrim	7	1,650	1,650	Wicklow,	5	2,000	1,850
Limerick,	30	11,700	10,490	Totals,	317	117,760	109,779

Seventy-four loans for farm buildings, amounting to £45,675, are in progress, under which sums amounting to £28,180 have issued, and 66 loans, amounting to £23,785, have not been proceeded with.

SCUTCH MILLS.

The number of loans sanctioned for this description of building since the passing of the Act 15 & 16 Vic., c. 34, is 7, amounting to £1,940. The Board have not made any loan for the erection of scutch mills during the past year.

LABOURERS' DWELLINGS.

Since the passing of the Act 23 Vic., c. 19, 119 loans, amounting to £66,305, have been sanctioned by your lordships.

The following table shows the loans for labourers' dwellings which have been closed :—

LOANS for LABOURERS' DWELLINGS which have been closed.

County.	Number of Loans.	Amount sanctioned.			Amount issued.		
		£	s.	d.	£	s.	d.
Armagh,	1	400	0	0	400	0	0
Carlow,	6	3,720	0	0	3,560	0	0
Clare,	3	600	0	0	600	0	0
Cork,	1	550	0	0	110	0	0
Donegal,	1	500	0	0	100	0	0
Down,	5	6,350	0	0	5,880	0	0
Dublin,	3	640	0	0	420	0	0
Fermanagh,	1	300	0	0	300	0	0
Kerry,	5	1,250	0	0	1,170	0	0
Kildare,	3	1,850	0	0	1,850	0	0
Limerick,	3	1,250	0	0	1,250	0	0
Londonderry,	3	2,000	0	0	1,940	0	0
Longford,	1	200	0	0	200	0	0
Louth,	1	100	0	0	100	0	0
Meath,	3	880	0	0	880	0	0
Mayo,	3	575	0	0	575	0	0
Monaghan,	2	480	0	0	480	0	0
Queen's,	1	240	0	0	240	0	0
Sligo,	1	900	0	0	360	0	0
Tyrone,	5	1,500	0	0	1,100	0	0
Waterford,	1	350	0	0	350	0	0
Westmeath,	2	1,200	0	0	640	0	0
Wexford,	5	1,900	0	0	1,850	0	0
	60	27,735	0	0	23,355	0	0

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Of the remaining loans sanctioned for labourers' dwellings, 37 are in progress, amounting to £31,435, under which £16,220 has been issued, and 22, amounting to £7,135, have not been proceeded with. *Land Improvement.*

Appendix B gives extracts from the Reports of our Inspectors, and Appendix C is a statement of the loans under which works are in progress, with the amounts and dates of the last orders for issue.

Arterial or River Drainage.

Drainage and Improvement of Lands (Ireland) Act, 1863, *and Amendments thereof.* *Drainage and Improvement of Lands.*

26 & 27 Vic., c. 88; 27 & 28 Vic., c. 72; 28 & 29 Vic., c. 52; and 32 & 33 Vic., c. 72.

Applications for five new Drainage districts have been received since our last Annual Report, namely:—

The Dunderry, county of Meath.
The Douglas, county of Carlow.
The Derrinlough and Boolinarrig, in the King's county.
The Kildare (Tully River), county of Kildare.

The total number of districts brought before the Board since the passing of these Acts and up to the 31st March, 1870, is 28. They are as follow:—

1. Athboy, county of Meath.
2. Ballynacarrig, King's and Queen's counties.
3. Thurles, county of Tipperary.
4. Rathdowney, Queen's county.
5. Six-mile-bridge, county of Clare.
6. Kilmastulla, county of Tipperary.
7. Silver River, King's county and county of Westmeath.
8. Parsonstown, King's county and county of Tipperary.
9. Camoge, county of Limerick.
10. Elphin, county of Roscommon.
11. The Connell, county of Kildare.
12. Brickey, county of Waterford.
13. Upper Inny, counties of Cavan, Longford, Meath, and Westmeath.
14. The Quinagh, county of Carlow.
15. The Clodiagh, county of Tipperary.
16. The Island Lakes and Glore River, county of Mayo.
17. Lough Oughter and River Erne, county of Cavan.
18. Bunnam Lake and Ballyhean River, county of Mayo.
19. The Gully, Queen's county.
20. The Doohyle, county of Limerick.
21. The Ward, counties of Dublin and Meath.
22. Frankford River, King's county.
23. The Mulkear, county of Limerick.
24. Dunderry, county of Meath.
25. Douglas, county of Carlow.
26. Derrinlough, King's county.
27. Boolinarrig, King's county.
28. Kildare (Tully River), county of Kildare.

Acts have been passed confirming the provisional orders of the Board constituting seventeen of those districts, viz., Athboy, Ballynacarrig, Rathdowney, Six-mile-bridge, Kilmastulla, the Silver River, the Connell, the Brickey, the Quinagh, the Parsonstown, Elphin, Clodiagh, Camoge, the Upper Inny, the Doohyle, the Gully, and the Island Lakes, and Glore River.

The works of the Athboy, Kilmastulla, Rathdowney, Silver River, Ballynacarrig, Connell, Brickey, and Quinagh districts have been completed; and final awards have been made in the Athboy, Rathdowney, Ballynacarrig, Connell, and Quinagh districts. The works of the following districts are in course of execution:—Six-mile-bridge, Parsonstown, Camoge, Elphin, Clodiagh, and Doohyle; and those of the Upper Inny, Gully, and Island Lakes are about to be commenced.

With regard to the twelve remaining districts, the Thurles was abandoned by the petitioners; the Lough Oughter and River Erne district has also been given up for the present; the Frankford is before Parliament for a Confirmatory Act; and the other nine districts are passing through the stages required by the Acts previous to provisional orders constituting them being made.

The total area of land to be improved in the Twenty-six districts which have been proceeded with is 52,671¼A., and the estimated cost of works £211,544.

The Loans sanctioned by your Lordships under these Acts amount to £148,904. The advances on account thereof amount to £73,329, and the repayments from districts in respect of which awards have been made amount to £922.

Drainage Maintenance Act, 1866.

29 & 30 Vic., cap. 49.

Applications under the provisions of this Act for the necessary works of maintenance have been received from the Boyne, Moyour, and Saleen Lough districts, and the necessary steps are in progress.

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Arterial. Drainage.

The Board's duties in connexion with the works of Arterial Drainage, with Improvements of Navigation and Water-power, under the original Acts, viz., the 5 & 6 Vic., cap. 89; 8 & 9 Vic., cap. 69; 9 Vic., cap. 4; 10 & 11 Vic., cap. 79; 16 & 17 Vic., cap. 130; 18 & 19 Vic., cap. 110; 19 & 20 Vic., cap. 62; 20 & 21 Vic., cap. 23; and 21 & 22 Vic., cap. 41, have been confined during the past year, as they have been since 1861, to determining, on the application of proprietors, the amount of increased rent to be paid by tenants holding under leases in respect of the benefit derived by them from improvements in their holdings, resulting from the Drainage operations, and to giving information, assistance, and advice to the Trustees of Districts, on such points connected with their trusts as they might request, and which we have felt it within our province to give, all executive operations having been long since brought to a close.

No change has taken place in regard to the Board's responsibility in respect of the Clonakilty Slob-lands.

The whole expenditure charged against the different undertakings commenced under the Arterial Drainage Acts, including £70,201 for works chargeable to counties, amounted at the end of March, 1870, to £2,390,613; and the repayments in respect thereof amounted to £1,020,418.

Harbours.

HARBOURS.

Kingstown Harbour, County Dublin.

During the past year the Piers, Jetties, Wharfs, Buildings, Fences, Roads, Lamps, and Sewers, and all works connected with the Harbour, have been maintained in an efficient state of repair.

The repairs of the Mail Packet Pier have been proceeded with, and are nearly completed. The Dredging of the deposits in the Harbour was commenced opposite Victoria Wharf on the 2nd February.

The following is a return of the Vessels that have used the Harbour during the last year, 1868—Mail and Passenger Steamers and Yachts excepted:—

	Number.	Tonnage.
Sailing Vessels, to and from the port of Dublin, waiting wind or tide,	485	100,128
Steamers, Ditto, Ditto,	20	9,457
From English, Irish, Scotch, and Foreign ports, to Irish ports,	324	27,362
From English, Scotch, and Foreign ports, to English and Scotch ports,	182	19,858
From Irish ports to English, Scotch, and Foreign ports,	160	13,359
From English and Scotch ports to Foreign ports,	71	25,850
For Orders,	9	2,629
To Kingstown,	516	53,238
Men-of-War, H. M. Troop Steamers, &c.,	20	—
Total,	1,787	251,881
In the previous year the numbers were,	1,769	229,800

Donaghadee Harbour, County Down.

A portion of the pavement of the North Pier, which was displaced by the gales of February last, is in progress of repair, and all the works of the Harbour have been maintained in good order.—*See Appendix D.*

Dunmore Harbour, County Waterford.

The Harbour has been maintained in good repair, but a large portion of the rubble, placed for the protection of the East Pier, has been carried from the foot of the slope round to the Pier-head by the heavy gales of last December. A considerable outlay will shortly be required to replace this, and also for Dredging out the Harbour, the silting up of which, mentioned in our former reports, continues to increase.—*See Appendix D.*

Howth Harbour, County Dublin.

All the works of this Harbour have been maintained in good repair. Several rocks, which were a serious obstruction to the Harbour, have been removed. A portion of the pavement of the East Pier, which was disturbed by the gales of last winter, is being replaced in a permanent manner. The Roadways and other works have been kept in good repair.—*See Appendix D.*

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FISHERY PIERS AND HARBOURS.

Fishery Piers and Harbours.

Acts 9 Vic., c. 3; 9 & 10 Vic., c. 75; 16 & 17 Vic., c. 136; 19 & 20 Vic., c. 37; 29 & 30 Vic., c. 45.

Kilkeel Pier, County Down.

The additional works at this Pier, in aid of which a further grant has been made, are making satisfactory progress; the serious damage done to the Pier by the severe storm of the 28th December last is being repaired.—*See Appendix D.*

The Piers at Carrigaholt and Clifden, which were completed, have been handed over to the counties of Clare and Galway respectively.

The following Piers remain in course of construction; the first-named by a Contractor, the others by the Board's Officers:—

Bantry, county Cork.
Errislannon Boat Harbour, county Galway.
Lady Elizabeth's Cove, county Waterford.
Spiddle, county Galway.

The three first-named are nearly complete, and Spiddle Pier will be completed in a few months.

A small Pier or Boat Slip is also in course of construction at Arranmore, county Donegal.

Passage East.

A contract has been entered into for the execution of the works at Passage East, and they are in course of construction.

Grants have been made in aid of small Piers at—

Ballycastle, county Down;
Port Salon, in Lough Swilly, county Donegal;

and the works will be immediately commenced.

Buncrana.

A grant has been sanctioned in aid of a Pier at Buncrana, in Lough Swilly, county Donegal, but the works have not yet been commenced, owing to objections made by the Grand Jury of the county.

Repairs have been made at Kilmore Pier, and at the Bridge over the Navigation Cut at Belmullet, under the provisions of the Act 16 & 17 Vic., c. 136, section 11.

INLAND NAVIGATIONS.

Inland Navigations.

Boyne Navigation.

The works of this navigation have been maintained in good repair.

River Maigue Navigation.

The works are in a satisfactory state of repair.—*See Appendix D.*

Tyrone Navigation, Coalisland Canal.

The works on this navigation have been kept in good repair.—*See Appendix D.*

Shannon Navigation.

No expenditure has been incurred on this navigation during the past year beyond what was necessary for its proper maintenance; all the works have been kept in good order.—*See Appendix D.*

Ulster Canal.

The works of this navigation continue to be in good repair. An arbitrator has been appointed, and has held a meeting at Monaghan for the purpose of ascertaining the value of the land required for increasing the area of the Storage Reservoir at Quiglough, so as to provide a sufficient water supply for the Canal. As soon as he makes his Award, the Board can take possession of the land and commence the works.—*See Appendix D.*

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The Sewage Utilization Act, 1865.

THE SEWAGE UTILIZATION ACT, 1865.

28 & 29 Vic., cap. 75.

No applications under this Act have been made during this year.

Bridges.

BRIDGES.

Wellesley Bridge, Limerick.

This Bridge, which was vested in the Commissioners of Public Works by the Act 30 & 31 Vic., cap. 53—"The Limerick Harbour (Composition of Debt) Act, 1867"—was taken over from the former lessees on the 20th of May, 1868, and has since been under the management of this Board. The tolls collected this year amount to £901.

New Ross Bridge—Counties of Wexford and Kilkenny.

Under the provisions of "The Bridges (Ireland) Act," 30 & 31 Vic., cap. 50, dated 15th July, 1867, the Joint Committee of the Grand Juries of the Counties of Wexford and Kilkenny have built a new Free Bridge over the River Barrow, at New Ross, which was opened for public traffic in August, 1869, connecting the counties of Wexford and Kilkenny, in place of a bridge—the property of the Commissioners for building a Bridge over the River of Ross—which was partly carried away in the month of January, 1867. The tolls, and the right of ferry, &c., have been purchased, and the new free bridge has been built with funds borrowed from this Board with the consent of the Treasury, on the security of presentments made by the counties of Wexford and Kilkenny. The cost of the works, including £11,700 for purchase of property, amounts to £50,419, reduced by Tolls received from the Ferry and other credits to £50,157, to be repaid by the counties.

Post Roads.

POST ROADS.

Act 6 & 7 Wm. IV., cap. 116.

On the application of the Postmaster-General, under the 61st section of the above-named Act, repairs have been executed during the past year on post roads situated in the following counties—

Donegal. Kildare.

These repairs have been executed under the superintendence of the respective County Surveyors, at a cost of £153 10*s.* 11*d.*, repayable by Grand Jury Presentment at subsequent Assizes.

We have the honour to be

Your Lordships' obedient Servants,

J. G. M'KERLIE,
W. R. LE FANU,

Commissioners of Public Works.

E. Hornsby, *Secretary,*

Office of Public Works, Dublin,
15*th May*, 1870.

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APPENDIX.

		Page
Appendix A.—	Accounts,	18
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„ C.—	Landed Property Improvement Loans,	48
„ D.—	Inland Navigations and Harbours,	54

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APPENDIX A.—

(A.)—Abstract of the Accounts of the Commissioners of Public Works in Ireland, showing the Total of

Reference to Account.	Page.	Heads of Account.	Balances on 31st March, 1869. £ s. d.	Received. £ s. d.
A 1	20	Loans, Advances, and Repayments, viz.:— Loans, 57 Geo. III., c. 34, ... ; " 1 & 2 Wm. IV., c. 33, ... ; " 6 & 7 Vic., c. 44, ... ; Arterial Drainage, ... ; Labouchere Drainage, ... ; Land Improvement, ...		308,157 18 0
A 2	20	Land Improvement Preliminaries, 10 Vic., c. 32, ...	252 0 7	1,328 0 7
A 3	20	Parliamentary Votes and Grants, viz.:— 1. Public Buildings, Royal Harbours, &c., . . . ; 2. Ulster Canal, ... ; 3. Office of Public Works, ... ; 4. Howth Harbour, ... ; 5. H.M. Exchequer—Extra Receipts, ...	10,764 9 0	184,107 3 10
A 4	28	District Lunatic Asylums, ...	4,330 16 9	53,454 8 5
A 5	30	Miscellaneous Services, viz.:— 1. Deposit Accounts, 1 & 2 Wm. IV., c. 33, . . . ; 2 Railway and other Arbitrations, . . . ; 3. Arterial Drainage Deposits, 26 & 27 Vic., c. 88, . . ; 4. Maintenance of Post Roads, ... ; 5. Piers and Harbours, ... ; 6. Inland Navigations:—Shannon, ... ; " Boyne, ... ; 7. River Drainage Works, 5 & 6 Vic., c. 89, . . . ; 8. Wellesley Bridge, ... ; 9. Athlunkard Bridge, ... ; 10. New Ross Bridge, ... ; 11. Wexford Free Bridge, ... ; 12 Maynooth College, ... ; 13. Sundry Accounts, ...	3,712 2 4	39,974 10 3
		Total, ...	19,059 8 8	587,022 1 1
A 6	34	Classified Abstract of Loans for Public Works, 1 & 2 Wm. IV., c. 33; and 6 & 7 Vic., c. 44.		
A 7	35	Statement of open Loan Accounts, 1 & 2 Wm. IV., c. 33; and 6 & 7 Vic., c. 44.		
A 8	36	Statement of Final Awards under Arterial Drainage Act, with Repayments thereon, to the 31st March, 1869.		

Office of Public Works, Dublin, 30th April, 1870.

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ACCOUNTS.

Sums intrusted to their Management for Collection or Disbursement for One Year, ended on 31st March, 1870.

Totals.	Overdrawn Balances from Accounts to 31st March, 1869.	Paid.	Balances on 31st March, 1870.	Totals
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
308,157 18 0	130 4 4	306,932 18 0	1,094 15 8	308,157 18 0
1,580 1 2	—	1,390 2 4	189 18 10	1,580 1 2
194,871 12 10	—	178,704 9 4	16,167 3 6	194,871 12 10
57,785 5 2	—	57,716 0 8	69 4 0	57,785 5 2
43,686 12 7	—	39,967 15 3	3,718 17 4	43,686 12 7
606,081 9 9	130 4 4	584,711 5 7	21,239 19 10	606,081 9 9

W. B. SOADY, *Accountant.*

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(A 1.)—An Account, showing the Receipts and Expenditure of the

PUBLIC LOANS.

	£ s. d.	£ s. d.	£ s. d.
Loans Advances.			
Public Works, 6 & 7 Vic., c. 44:—			
Amount received from Commissioners of National Debt,	—	43,035 4 0	
Land Improvement, 10 Vic., c. 32, &c.:—			
Amount issued from Consolidated Fund,	—	85,000 0 0	
Total issued for Loans,			128,035 4 0
Loans Repayments.			
1. Public Works Loans:—			
Amounts received under the following Acts, viz.:—			
Loans, 57 Geo. III., c. 34,	180 0 0		
Loans, 1 & 2 Wm. IV., c. 33,	1,565 14 7		
Loans, 6 & 7 Vic., c. 44—Public Works,	7,747 1 7	9,492 16 2	
2. Arterial Drainage:—			
Amount received from Proprietors for Drainage Works,	50,519 0 0		
Other Receipts,	7 4 4		
		50,526 4 4	
3. Lalouchere Drainage:—			
Amount received from Proprietors,	10,419 6 10		
Other receipts,	4 15 6	10,424 2 4	
4. Land Improvement:—			
Amount received from Proprietors,	—	109,679 11 2	
Total Repayments,	—		180,122 14 0
			308,157 18 0

Office of Public Works, Dublin, 30th April, 1870.

(A 2.)—LAND IMPROVEMENT

RECEIPTS.	£ s. d.	£ s. d.
Balance from last Account,	—	252 0 7
Amount received from Treasury by way of Loan,	600 0 0	
" " from Proprietors in Repayment of Preliminary Expenses,	728 0 7	1,328 0 7
		£1,580 1 2

Office of Public Works, Dublin, 30th April, 1870.

(A 3.)—PARLIAMENTARY

RECEIPT.	£ s. d.	£ s. d.	£ s. d.
Balance from the last Account,	—	—	10,764 9 0
Carried forward,	—	—	10,764 9 0

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COMMISSIONERS of PUBLIC WORKS in the Year ended 31st March, 1870.

ADVANCES AND REPAYMENTS.

	£ s. d.	£ s. d.	£ s. d.
By Balance, 31st March, 1869,	—	—	130 4 4
LOANS ADVANCES.			
Public Works, 6 & 7 Vic., c. 44 :—			
Amount advanced on Loans, viz. :—			
For Public Works Loans, 1 & 2 Wm. IV., c. 33,	24,163 4 0		
To District Drainage Boards, 26 & 27 Vic., c. 88,	15,680 0 0		
For Piers and Harbours, 9 Vic., c. 3, &c.,	2,968 0 0		
For Labourers' Dwellings, 29 & 30 Vic., c. 46,	224 0 0		
		43,035 4 0	
Land Improvement, 10 Vic., c. 32, &c. :—			
Paid to Proprietors on account of Loans,	—	83,775 0 0	
Total paid to Borrowers,			126,810 4 0
LOANS REPAYMENTS.			
1. Public Works Loans :—			
Amounts transferred to H. M. Exchequer, viz. :—			
Loans, 57 Geo. III., c. 34,	180 0 0		
Loans, 1 & 2 Wm. IV., c. 33,	1,565 14 7		
Loans, 6 & 7 Vic., c. 44,	7,747 1 7		
		9,492 16 2	
2. Arterial Drainage :—			
Amount transferred to H. M. Exchequer, viz :—			
Drainage Works, 5 & 6 Vic., c. 89, £49,217 2 1			
Maintenance Works, 29 & 30 Vic., c. 49, 179 5 8			
Drainage Works by Local Boards, 26 & 27 Vic., c. 88, including £200 expended by Quinagh Drainage Board, 1,122 12 3	50,519 0 0		
Other payments,	7 4 4		
		*50,526 4 4	
3. Labouchere Drainage :—			
Amount transferred to H. M. Exchequer,	10,419 6 10		
Other payments,	4 15 6		
		10,424 2 4	
4. Land Improvement :—			
Amount transferred to H. M. Exchequer,	—	109,679 11 2	
			180,122 14 0
			1,094 15 8
By Balance carried to next account,	—	—	308,157 18 0

* See details under districts, pp. 36 to 41.

W. B. SOADY, *Accountant.*

PRELIMINARIES, 1869–70.

EXPENDITURE.	£ s. d.	£ s. d.
Amount paid to Exchequer in Repayment of Advances,	711 10 7	
" paid for Preliminary Investigations, Advertising, Scrivenery, &c.,	678 11 9	
		1,390 2 4
Balance carried to next Account,	—	189 18 10
		£1,580 1 2

W. B. SOADY, *Accountant.*

VOTES AND GRANTS.

EXPENDITURE.	£ s. d.	£ s. d.	£ s. d.
Amount of Unexpended Balances on Parliamentary Votes, 1868–69, surrendered to H. M. Exchequer, viz. :—			
Public Buildings,	—	2,362 12 5	
Queen's University,	—	7,000 0 0	
Ulster Canal,	—	3,264 7 4	
Salaries and Incidents of Office,	—	170 17 11	
			12,797 17 8
Carried forward,	—	—	12,797 17 8

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An Account showing the Receipt and Expenditure of the Commissioners

(A 3.)—PARLIAMENTARY

RECEIPT—*continued.*	£ s. d.	£ s. d.	£ s. d.
Brought forward,	—	—	10,764 9 0
1. Public Buildings, Ireland (Class I., Vote 25).			
Vote for the year 1869-70,	—	145,455 0 0	
New Works and Alterations:—			
Received from the Admiralty, purchase of site for Ballyshannon Coast Guard Station,	100 0 0		
Contributions in aid of National Schools,	529 6 6		
" Robertstown Constabulary Barracks,	150 0 0		
		779 6 6	
Maintenance and Repairs:—			
Received from the Trustees of Simpson's Hospital, proportion of expenses of repairs to Police Barrack, Manor-street, Dublin,	100 0 0		
Relodgments,	2 15 8		
Carried forward,	102 15 8	146,234 6 6	10,764 9 0

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of Public Works, in the Year ended 31st March, 1870.

VOTES AND GRANTS—*continued.*

EXPENDITURE—*continued.*	£ s. d.	£ s. d.	£ s. d.
Brought forward,	—	—	12,797 17 8
1. Public Buildings, Ireland (Class I., Vote 25).			
New Works and Alterations:—			
Coast Guard Stations,	13,479 6 9		
Royal Hibernian Military School,	0 19 3		
Royal Hospital,	60 14 2		
Custom House, Warrenpoint,	91 11 9		
Dublin Castle,	34 13 1		
Viceregal Lodge, Phœnix Park,	44 1 9		
Law Courts, Offices, &c.,	2,614 4 0		
Four Courts Marshalsea,	88 16 4		
District Registry Office, Kilkenny,	324 0 3		
Metropolitan Police Buildings,	964 8 5		
Royal Irish Constabulary Buildings, including Depôt Barracks, Phœnix Park,	5,190 18 2		
Spike Island Prison,	1,251 16 11		
Royal Dublin Society, House, &c., Kildare-street, and Botanic Gardens, Glasnevin,	2,070 9 0		
National Education Buildings:—			
Metropolitan Establishments, £34 15 4			
District and Minor Model Schools, 237 9 6			
Model Agricultural Schools, 177 3 7			
Ordinary Literary Schools, 6,029 10 1			
	6,478 18 6		
Central Criminal Lunatic Asylum, Dundrum,	41 13 4		
Royal Irish Academy,	30 4 4		
Royal College of Science,	307 12 5		
Queen's Colleges—Belfast and Galway,	170 4 8		
Geological Survey Office,	100 0 0		
Telegraph Service,	554 17 8		
New Water Supply,	262 19 9		
		34,162 10 6	
Maintenance and Repairs:—			
Coast Guard Stations,	4,711 12 5		
Royal Hibernian Military School,	2,021 5 2		
Royal Hospital,	2,214 16 3		
Commissariat Office,	10 12 8		
Inspector-General of Militia, Office,	68 3 1		
"Mermaid," Powder Ship,	26 9 6		
Customs Buildings throughout Ireland,	751 8 9		
Inland Revenue Buildings,	215 14 6		
Post Office Buildings,	1,468 5 11		
Dublin Castle—Residences, &c.,	2,593 0 5		
Viceregal and other Lodges, Gardens, &c., Phœnix Park,	4,641 17 5		
Law Courts and Offices, Dublin,	3,900 4 9		
Four Courts' Marshalsea,	273 10 0		
King's Inns Offices, &c.,	181 14 4		
District Probate Registry Offices,	89 7 11		
Metropolitan Police Courts and Stations,	2,816 9 5		
Royal Irish Constabulary Buildings, including the Depôt Barracks, Phœnix Park,	1,759 13 7		
Convict Prisons,	1,667 13 6		
Central Criminal Lunatic Asylum, Dundrum,	851 10 6		
Royal Dublin Society, House, &c., Kildare-street, and Botanic Gardens, Glasnevin,	1,645 3 8		
Royal College of Science,	217 9 5		
National Education Buildings:—			
Metropolitan Establishments, £1,699 9 11			
Model Agricultural Schools and Albert Model Farm, 1,784 0 9			
District and Minor Model Schools, 1,800 17 8			
Ordinary Literary Schools, 2,332 4 0			
	7,616 12 4		
Royal Irish Academy,	383 0 3		
National Gallery of Ireland,	230 16 10		
Carried forward,	40,356 12 7	34,162 10 6	12,797 17 8

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AN ACCOUNT showing the RECEIPT and EXPENDITURE of the COMMISSIONERS

(A 3.)—PARLIAMENTARY

RECEIPT—*continued.*	£	s.	d.	£	s.	d.	£	s.	d.
Brought forward, . . .	102	15	8	146,234	6	6	10,764	9	0
1. PUBLIC BUILDINGS, &c.—*continued.*									
				102	15	8			
HARBOURS AND INLAND WATER NAVIGATION:— Relodgment, &c., ...	1	0	0						
Carried forward, . . .	1	0	0	146,337	2	2	10,764	9	0

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of Public Works, in the Year ended 31st March, 1870.

VOTES AND GRANTS—*continued.*

EXPENDITURE—*continued.*		£ s. d.	£ s. d.	£ s. d.
Brought forward,		40,356 12 7	34,182 10 6	12,797 17 8
1. Public Buildings, &c.—*continued.*				
Irishtown Church,		132 7 11		
Queen's Colleges—Belfast, Cork, and Galway,		1,362 4 9		
Public Offices in Dublin,		3,284 10 9		
			45,115 16 0	
Rent of Premises,		—	4,033 14 0	
Rates, Taxes, and Insurance,		—	1,701 1 11	
Furniture:—				
Royal Hibernian Military School,		360 4 11		
Royal Hospital,		487 2 1		
Commissariat Office,		0 15 0		
Inspector-General of Militia Office,		7 10 6		
Customs Buildings throughout Ireland,		125 8 4		
Inland Revenue Buildings,		208 4 4		
Post Office Buildings,		114 12 7		
Dublin Castle, Residences, &c.,		1,331 16 2		
Viceregal and other Lodges, Phœnix Park,		1,479 7 6		
Law Courts and Offices, Dublin,		1,581 7 7		
Four Courts Marshalsea,		83 17 9		
King's Inns Offices, &c.,		36 15 9		
District Probate Registry Offices,		73 1 9		
Metropolitan Police Courts and Stations,		2,758 0 5		
Royal Irish Constabulary Buildings, including Depot Barracks, Phœnix Park,		135 0 0		
Convict Prisons,		106 0 10		
Central Criminal Lunatic Asylum, Dundrum,		365 7 4		
Royal Dublin Society, House in Kildare-street, &c.,		191 13 6		
National Education Buildings:—				
Metropolitan Establishments,	£355 3 6			
District and Minor Model Schools,	422 12 4			
Model Agricultural Schools,	598 19 4			
		1,376 15 2		
Royal Irish Academy,		340 6 3		
National Gallery of Ireland,		41 12 6		
Queen's Colleges—Belfast, Cork, and Galway,		325 0 4		
Public Offices in Dublin,		1,240 17 4		
			12,770 17 11	
Fuel and Light:—				
Supply to Public Departments in Dublin, and to Customs Buildings, District Model Schools, Convict Prisons, District Registry Offices, &c., throughout Ireland,		—	16,271 4 2	
Incidental Expenses, Allowances to Overseers, &c.,		—	987 6 3	
Phœnix Park:—				
Maintenance of Gate Lodges, Roads, Deer Farm, New Flower Garden, &c.,		4,811 8 8		
Salaries of Bailiff, Deerkeeper, Gate-keepers, Constables, &c.		945 9 0		
Incidental expenses, including attendance of Police, Gas-light, &c.,		385 15 11	6,142 13 7	
Harbours and Inland Water Navigation:—				
Kingstown Harbour:—				
Salaries of Harbour Master, Superintendent, &c.,	£461 18 9			
Boatmen, Watchmen, &c.,	603 2 8			
Incidents and Contingencies, including Gaslight, &c.,	185 2 10			
Rates and Taxes,	8 15 8			
Maintenance, General Repairs, Materials, Works at Mail Packet Pier, &c.,	4,718 5 4			
Mooring Buoys, Chains, Metal Stanchions, Rails, Ropes, &c.,	334 13 9			
Dredging Works,	1,122 7 11			
		7,410 6 11		
Carried forward,		7,410 6 11	121,185 4 4	12,797 17 8

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AN ACCOUNT showing the RECEIPT and EXPENDITURE of the COMMISSIONERS

(A 3.)—PARLIAMENTARY

RECEIPT—*continued.*	£ s. d.	£ s. d.	£ s. d.
Brought forward,	1 0 0	146,337 2 2	10,764 9 0
1. PUBLIC BUILDINGS, &c.,—*continued.*			
VISIT OF THEIR ROYAL HIGHNESSES THE PRINCE AND PRINCESS OF WALES, 1868:—		1 0 0	
Received from H.M. Paymaster-General, being the Total Amount of Expenditure at St. Patrick's Cathedral, Dublin, for Works, Materials, Musical Performance, &c., on the occasion of the Installation of H.R.H. the Prince of Wales as a Knight of St. Patrick, less £269 11*s.* 1*d.* proceeds of Sale of Timber and other Materials,		2,146 18 4	
			148,485 0 6
2. ULSTER CANAL (Class I., Vote 26):—			
Vote for the year 1869–70,	—	3,362 0 0	
Rents, &c.,	—	107 5 10	
			3,469 5 10
3. OFFICE OF PUBLIC WORKS, IRELAND (Class II., Vote 41):—			
Vote for the year 1869–70,	—	27,196 0 0	
Sundry Receipts,	—	3 7 0	
			27,199 7 0
4. HOWTH HARBOUR (Maintenance, &c.):—			
Dues,	—	487 11 9	
Rents,	—	262 6 10	
Sale of Materials, &c.,	—	43 2 6	
Relodgments, &c.,	—	32 0 6	
			825 1 7
Carried forward,			190,743 3 11

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of Public Works, in the Year ended 31st March, 1870.

VOTES AND GRANTS—*continued.*

EXPENDITURE—*continued.*		£ s. d.	£ s. d.	£ s. d.
Brought forward,		7,410 6 11	121,185 4 4	12,797 17 8
1. Public Buildings, &c.—*continued.*				
Donaghadee Harbour :—				
Labour, Materials, Incidents, &c.,	319 7 9	—		
Salary of Harbour Master,	16 15 5	—		
		336 3 2		
Dunmore Harbour :—				
Labour, Materials, Incidents, &c.,	353 15 6			
Salaries of Harbour Master and Clerk of Works,	120 9 0			
		474 4 6		
Howth Harbour, (Improvements) :—				
Labour, Materials, Incidents, &c.,		536 13 7		
		8,757 8 2		
Tyrone Navigation :—				
Labour, Materials, Incidents, &c.,	£235 15 9			
Salaries of Superintendent, Collector, Lockkeepers, &c.,	176 4 8			
	412 0 5			
Maigue Navigation :—				
Salary of Collector and Incidental Expenses,	37 2 2			
		449 2 7		
Transferred to "Miscellaneous Services":—				
Grants in aid of Fishery Piers, viz :—				
Kilkeel,	786 0 0			
Lady Elizabeth's Cove,	1,080 0 0			
Errislannon,	450 0 0			
Spiddle,	800 0 0			
Leabgarrow,	77 0 0			
Bunerana,	13 15 6			
Tarrea,	6 13 0			
		3,213 8 6		
			12,419 19 3	
Visit of Their Royal Highnesses the Prince and Princess of Wales, 1868 :—				
			Nil.	
				133,605 3 7
2. Ulster Canal (Class 1., Vote 26) :—				
Labour, Materials, Incidents, &c.,		—	964 11 6	
Rent and Taxes,		—	25 0 11	
Salaries,		—	309 11 0	
				1,299 3 5
3. Office of Public Works, Ireland, (Class II., Vote 41):—				
Salaries,		—	22,857 7 11	
Travelling Expenses, &c.,		—	2,787 17 2	
Incidental Expenses,		—	594 0 1	
				26,239 5 2
4. Howth Harbour (Maintenance, &c.) :—				
Labour, Materials, Incidents, &c.,		—	571 10 0	
Salaries of Harbour Master and Assistant,		—	65 0 0	
				636 10 0
Carried forward,				174,577 19 10

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AN ACCOUNT showing the RECEIPT and EXPENDITURE of the COMMISSIONERS

(A 3.)—PARLIAMENTARY

RECEIPT—*continued.*	£ s. d.	£ s. d.	£ s. d.
Brought forward,	—	—	190,743 3 11
5. H. M. EXCHEQUER—EXTRA RECEIPTS :—			
Public Buildings :—			
Rents,	61 18 0		
Sale of Materials,	7 6 4		
		69 4 4	
Phœnix Park :—			
Grazing Rents,	1,148 12 6		
Sale of Deer Skins, &c.,	20 19 6		
		1,169 12 0	
Kingstown Harbour :—			
Dues,	2,106 14 4		
Rents,	378 16 0		
Fines,	7 10 0		
		2,493 0 4	
Dunmore Harbour :—			
Dues,	28 10 11		
Rents,	17 18 10		
		46 9 9	
Donaghadee Harbour :—			
Rents,	—	12 1 0	
Tyrone Navigation :—			
Rents,	50 10 1		
Tolls,	209 3 0		
		259 13 1	
Maigue Navigation :—			
Tolls,	—	15 6 9	
Salaries and Incidents of Office :—			
Law Costs Recovered,	62 18 6		
Registration Fees,	0 3 2		
		63 1 8	
			4,128 8 11
			194,871 12 10

Office of Public Works, Dublin, 30th April, 1870.

(A 4.)—LUNATIC

AN ACCOUNT showing the RECEIPTS and PAYMENTS of the COMMISSIONERS of PUBLIC WORKS in IRELAND (on 1870, pursuant to Act 1 & 2

RECEIPTS.	£ s. d.	£ s. d.	£ s. d
To Balance on 31st March, 1869,	—	—	4,330 16 9
To Amounts issued from the Consolidated Fund on account of Loans to the following District Asylums :—			
Ballinasloe,	2,000 0 0		
Clare,	6,500 0 0		
Clonmel,	2,000 0 0		
Cork,	1,000 0 0		
Down,	4,200 0 0		
Monaghan,	4,012 5 5		
Mullingar,	5,000 0 0		
Omagh,	7,000 0 0		
Richmond,	19,000 0 0		
Waterford,	2,300 0 0		
Wexford,	442 1 6		
		53,454 6 11	
To Amounts lodged on Extra Receipts, viz. :—			
Wexford—Rents,	0 1 6	0 1 6	53,454 8 5
			57,785 5 2

Office of Public Works, Dublin, 30th April, 1870.

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of Public Works, in the Year ended 31st March, 1870.

VOTES AND GRANTS—*continued.*

EXPENDITURE—*continued.*	£ s. d.	£ s. d.	£ s. d.
Brought forward,	—	—	174,577 19 10
5. H. M. Exchequer—Extra Receipts :—			
Phœnix Park :—			
Tithe Rentcharge,	89 2 10		
		89 2 10	
Kingstown Harbour :—			
Ballast Supplied,	608 3 4		
Dublin Port and Docks Board, balance of Dues,	98 6 6		
		706 9 10	
Salaries and Incidents of Office :—			
Stamps,	2 11 0		
		2 11 0	
Transferred to H. M. Exchequer,	—	3,328 5 10	
			4,126 9 6
Balance,	—	—	16,167 3 6
			194,871 12 10

W. B. Soady, *Accountant.*

ASYLUMS' BUILDINGS.

Account of the Commissioners for the Control, &c., of Lunatic Asylums), during the year ended 31st March, Geo. IV., c. 33, &c., &c.

EXPENDITURE.	£ s. d.	£ s. d.	£ s. d.
By Amounts expended on the following Buildings, viz.:—			
Ballinasloe,	2,012 0 0		
Belfast,	745 13 4		
Carlow,	502 10 0		
Clare,	3,006 15 10		
Clonmel,	1,658 10 10		
Cork,	1,284 19 5		
Donegal,	66 14 9		
Down,	9,985 2 8		
Maryborough,	643 0 0		
Mayo,	446 5 1		
Monaghan,	3,359 9 0		
Mullingar,	3,694 3 4		
Omagh,	9,036 16 8		
Richmond,	19,866 6 4		
Waterford,	956 11 6		
Wexford,	451 1 11		
		57,716 0 8	
Balance carried to next Account,	—	69 4 6	
		57,785 5 2	

W. B. Soady, *Accountant.*

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AN ACCOUNT showing the RECEIPT and EXPENDITURE of the COMMISSIONERS

(A 5.)—MISCELLANEOUS

RECEIPT.	£ s. d.	£ s. d.	£ s. d.
Balance from last Account,	—	—	3,712 2 4
1. DEPOSIT RECEIPTS FOR PRELIMINARY EXPENSES, 1 & 2 Wm. IV., c. 33, &c. :—			
County Donegal,	—	5 15 8	
John Thompson,	—	8 11 0	
Miss F. Lynch,	—	5 0 0	
Robert Evans,	—	5 0 0	
			24 6 8
2. RAILWAY AND OTHER ARBITRATION EXPENSES :— Amount received from the following Railway Companies and others to meet Expenses of Arbitration, per 14 & 15 Vic., c. 70, viz. :—			
Navan and Kingscourt Railway Co.,	—	60 0 0	
Dublin, Wicklow, and Wexford Railway Co.	—	100 0 0	
Cork Corporation,	—	120 0 0	
Fermoy and Lismore Railway Co.,	—	100 0 0	
			380 0 0
3. ARTERIAL DRAINAGE DEPOSIT ACCOUNTS, per Acts 26 & 27 Vic., c. 88 :— Received from Drainage Boards on Account of Preliminary Inquiries, Arbitrations, Cost of Awards, &c., viz. :—			
Brickey,	—	10 0 0	
Quinagh,	—	8 0 0	
Camogue,	—	34 10 8	
Clodiagh,	—	33 0 2	
Mulkear,	—	22 15 8	
Loch Oughter,	—	26 16 0	
Dunderry,	—	44 12 8	
Athboy (Lord Darnley and William Martley),	—	9 15 11	
Connell,	—	26 14 3	
Upper Inny,	—	2 2 0	
Gully,	—	2 2 0	
Elphin,	—	4 4 0	
Douglas,	—	50 0 0	
Island Lakes and Gloire River,	—	2 2 0	
Kilmastulla,	—	25 0 0	
Derrinlough,	—	30 0 0	
Boolinarrig,	—	30 0 0	
			361 15 4
4. MAINTENANCE OF POST ROADS :— Amount received from the following Counties, in repayment of advances made for repairs, viz. :—			
County Donegal,	—	296 17 10	
" Down,	—	1,292 6 8	
" Kerry,	—	21 14 2	
			1,610 18 8
5. PIERS AND HARBOURS, per Act 9 Vic., c. 3, &c. :—			
Balance of Grant 10 & 11 Vic., c. 75,	—	800 0 0	
Bantry Pier—Loan from Public Works Loan Fund,	—	1,000 0 0	
Clifden Pier—Loan from Public Works Loan Fund,	100 0 0		
Clifden Pier—Sale of Plant,	49 13 6		
		149 13 6	
Spiddle Pier—Loan from Public Works Loan Fund,	1,500 0 0		
Spiddle Pier—Grant in Aid,	800 0 0		
		2,300 0 0	
Kilkeel Pier—Contributions,	680 0 0		
" Loan from Public Works Loan Fund,	48 0 0		
" Grant in Aid,	786 0 0		
		1,514 0 0	
Lady Elizabeth's Cove—Loan from Public Works Loan Fund,	220 0 0		
Lady Elizabeth's Cove—Grant in Aid,	1,080 0 0		
		1,300 0 0	
Carried forward,		7,063 13 0	6,089 3 0

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of Public Works, in the Year ended 31st March, 1870.

SERVICES.

EXPENDITURE.	£ s. d.	£ s. d.	£ s. d.
1. Deposit Accounts, 1 & 2 Wm. IV., c. 33 :—			
John Thompson—Law Costs,	—	6 6 0	
			6 6 0
2. Railway and other Arbitration Expenses:—			
Amounts paid to Valuators, &c., per Act 14 & 15 Vic., c. 70, viz.:—			
Cork Corporation,	—	85 7 6	
Amount of Unexpended Balances Refunded,	—	47 18 3	
			113 5 9
3. Arterial Drainage Deposits:—			
Paid for Preliminary Expenses, Arbitrations, &c.:—			
Quinagh,	—	11 2 10	
Camogue,	—	48 19 3	
Clodiagh,	—	45 0 0	
Athboy,	—	27 18 7	
Frankford,	—	27 2 6	
Mulkear,	—	52 15 8	
Loch Oughter,	—	26 13 8	
Dunderry,	—	44 12 8	
Athboy (Lord Darnley and William Martley),	—	8 15 11	
Connell,	—	26 3 9	
Upper Inny,	—	2 2 0	
Gully,	—	2 2 0	
Elphin,	—	4 4 0	
Island Lakes and Gloire River,	—	2 2 0	
Kilmastulla,	—	6 1 0	
			335 16 3
4. Maintenance of Post Roads:—			
Repaid to Her Majesty's Exchequer,	—	1,610 18 8	
Amount expended for Repairs of Post Roads in the following Counties, viz.:—			
County Donegal,	—	82 10 0	
„ Kildare,	—	91 0 11	
			1,764 9 7
5. Piers and Harbours, 9 Vic., c. 3, &c.:—			
Amount expended on the following Works, viz.:—			
Carrigaholt,	—	5 19 8	
Ballycastle,	—	174 16 2	
Bantry,	—	1,191 13 9	
Clifden,	—	108 15 8	
Spiddle,	—	2,523 1 0	
Kilkeel,	—	1,124 5 3	
Lady Elizabeth's Cove,	—	1,210 14 2	
Passage East,	—	292 19 11	
Errislannon (including Plant from Clifden, £49 13s. 6d.),	—	650 12 0	
Buncrana,	—	9 11 6	
Port Salon,	—	17 9 3	
Belmullet Canal,	—	164 18 1	
Lebgarrow,	—	78 10 0	
Kilmore,	—	150 8 8	
			7,703 14 11
Carried forward,			9,923 12 6

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AN ACCOUNT showing the RECEIPT and EXPENDITURE of the COMMISSIONERS

(A 5.)—MISCELLANEOUS

RECEIPT.	£ s. d.	£ s. d.	£ s. d.
Brought forward,	—	7,063 13 6	6,089 3 0
5. PIERS AND HARBOURS, &c.—*continued.*			
Passage East Pier—Transfer,	—	2 11 2	
Errislannon Loan from Public Works Loan Fund,	100 0 0		
Errislannon—Grant in aid,	450 0 0		
		550 0 0	
Bunerana, do.	—	13 15 6	
Tarrea, do.	—	6 13 0	
Port Salon—Contribution,	—	250 0 0	
Belmullet Canal—Sale of Timber,	—	35 0 0	
Lehgarrow Boat Slip—Grant in aid,	—	77 0 0	
Kilmore Pier—Issued from Consolidated Fund, per Acts 16 & 17 Vic., c. 136,	—	179 0 0	
			8,177 13 2
6. INLAND NAVIGATIONS:—			
Shannon Navigation:—			
Rents,	1,357 18 1		
Tolls,	1,203 8 1		
Sales, &c.,	60 6 3		
		2,621 12 5	
Boyne Navigation:—			
Tolls,	232 17 2		
Rents,	0 5 0		
		233 2 2	
			2,854 14 7
7. RIVER DRAINAGE WORKS, 5 & 6 Vic., c. 89:—			
Sale of Grass, &c.,	—	—	20 10 0
8. WELLESLEY BRIDGE:—			
Tolls,	—	—	900 16 7
9. ATHLUNKARD BRIDGE:—			
Received on account of Tolls,	—	—	233 4 4
10. NEW ROSS BRIDGE:—			
Amount received per Treasurer County Wexford, being the amount advanced to the County out of Public Works Loan Fund,	—	12,636 12 4	
Do. Do. County Kilkenny,	—	10,406 11 8	
Received on account of Tolls,	—	170 4 4	
Sale of Plant,	—	86 11 4	
			23,299 19 8
11. WEXFORD FREE BRIDGE:—			
Amount withdrawn out of Deposit Receipt of £1,500,	—	—	900 0 0
12. MAYNOOTH COLLEGE:—			
Loan from Public Works Loan Fund,	—	—	300 0 0
13. SUNDRY ACCOUNTS:—			
Coastguard Buildings, per Admiralty,	—	500 0 0	
Dividends received on Stock,	—	147 12 3	
Board of Trade, per Paymaster-General,	—	150 1 0	
House of Industry Hospitals, per Governors,	—	57 18 0	
Receipts in Suspense,	—	50 0 0	
Kingstown Rowing Club,	—	5 0 0	
			910 11 3
			43,686 12 7

Office of Public Works, Dublin, 30th April, 1870.

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of Public Works, in the Year ended 31st March, 1870.

SERVICES—*continued.*

EXPENDITURE.	£ s. d.	£ s. d.	£ s. d.
Brought forward,	–	–	9,923 12 6
6. Inland Navigations :—			
Shannon Navigation :—			
Maintenance and Repairs of Works, &c.,	1,569 14 9		
Salaries (including pay of Collectors, Lock-keepers, &c.) and Incidents,	1,320 17 1		
		2,890 11 10	
Boyne Navigation :—			
Maintenance and Repairs of Works, &c.,	75 8 0		
Salaries of Collectors, Lock-keepers, and Incidents,	167 2 1		
		242 10 1	
			3,133 1 11
7. River Drainage Works :—			
Maintenance, &c.,	—	—	47 12 8
8. Wellesley Bridge :—			
Maintenance and Repairs,	—	106 19 0	
Salaries of Superintendent, Collectors, &c.,	—	115 0 0	
Wages to Bridgemen,	—	130 0 0	
Repaid to Her Majesty's Exchequer,	—	450 0 0	
			801 19 0
9. Athlunkard Bridge :—			
Maintenance and Salary,	—	13 8 2	
Repaid to Her Majesty's Exchequer,	—	150 0 0	
			163 8 2
10. New Ross Bridge :—			
Contractor,	—	22,395 0 0	
Engineering,	—	581 6 10	
Value of Plant,	—	513 5 7	
Sundry expenses, Compensation, Testing Bridge, Wages for care of Plant, removing Plant, Fence, &c.,	—	205 18 4	
			23,695 10 9
11. Wexford Free Bridge :—			
Paid Contractor,	—	—	900 0 0
12. Maynooth College :—			
Paid Contractor,	—	—	315 0 0
13. Sundry Accounts :—			
Coastguard Buildings, T. Banfield, Compensation,	—	500 0 0	
Dividends on Stock-paid Sundries,	—	147 12 3	
S. Keneßck, per-centage deductions,	—	37 4 4	
Board of Trade, for Rocket Sheds,	—	150 18 0	
House of Industry Hospitals, Renewal Fine, Law Cost,	—	57 18 0	
Receipts in Suspense, amounts allocated,	—	91 15 8	
Kingstown Rowing Club, Law Costs,	—	2 2 0	
			987 10 3
			39,967 15 3
Balance, carried to next Account,	—	—	3,718 17 4
			43,686 12 7

W. B. Soady, *Accountant.*

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(A 6.)—Abstract of Loans made by the Commissioners of Public Works, under the Provisions of Act 1 & 2 Wm. IV., cap. 33, and subsequent Acts, classified under Counties and other general heads, and showing the Total Issues and Repayments to the 31st March, 1870.

County, &c.	Purpose of Loan.	Total issued.	Repayments. Principal.	Repayments. Interest.	Remitted.
		£ s. d.	£ s. d.	£ s. d.	£ s. d.
Antrim County,	For making and improving roads, court-houses, &c.	157,782 18 8	157,782 18 8	19,016 4 7	—
Armagh County,	Ditto,	2,507 10 9	2,507 10 9	564 19 10	—
Carlow County,	Ditto,	5,650 0 0	5,650 0 0	592 5 6	—
Carrickfergus, (County of the Town,)	Ditto,	4,443 10 0	4,443 10 0	689 0 4	—
Cavan County,	Ditto,	37,523 8 0	37,003 1 6	7,117 11 9	—
Clare County,	Ditto,	17,779 11 8	17,779 11 8	1,924 6 8	—
Cork County,	Ditto,	4,451 15 10	4,451 15 10	338 7 11	—
Cork, County of the City,	Ditto,	1,500 0 0	1,500 0 0	271 11 8	—
Donegal County,	Ditto,	17,557 5 0	17,557 5 0	1,851 7 9	—
Down County,	Ditto,	13,731 17 6	13,731 17 6	871 13 8	—
Dublin City,	Ditto,	1,211 6 8	1,211 6 8	42 11 11	—
Dublin County,	Ditto,	5,538 11 1	5,538 11 1	672 4 1	—
Fermanagh County,	Ditto,	5,050 0 0	5,050 0 0	900 14 1	—
Galway County,	Ditto,	31,515 7 8	31,015 7 8	1,633 7 11	—
Galway Town,	Ditto,	3,330 0 0	3,015 16 11	513 9 2	—
Kerry County,	Ditto,	76,094 9 6	76,094 9 6	8,966 8 1	—
Kildare County,	Ditto,	6,602 10 0	6,602 10 0	1,407 3 6	—
Kilkenny County,	Ditto,	51,992 11 8	30,079 14 1	4,082 18 3	—
King's County,	Ditto,	6,438 17 3	6,438 17 3	1,011 0 11	—
Leitrim County,	Ditto,	7,850 0 0	7,650 0 0	1,233 2 4	—
Limerick City,	Ditto,	3,931 8 8	3,931 8 8	887 1 5	—
Limerick County,	Ditto,	13,018 18 9	13,018 18 9	2,636 16 1	—
Londonderry Co.	Ditto,	1,250 0 0	1,250 0 0	304 10 9	—
Longford County,	Ditto,	4,400 1 4	4,400 1 4	920 8 8	—
Louth County,	Ditto,	9,550 0 0	9,550 0 0	1,377 16 3	—
Mayo County,	Ditto,	12,438 0 0	12,438 0 0	1,414 5 3	—
Meath County,	Ditto,	2,347 18 2	2,347 18 2	547 19 7	—
Queen's County,	Ditto,	7,663 0 0	7,663 0 0	605 0 2	—
Roscommon Co.,	Ditto,	19,784 0 0	19,784 0 0	1,316 11 9	—
Sligo County,	Ditto,	8,306 8 9	8,306 6 9	1,152 8 8	—
Tipperary County,	Ditto,	9,959 5 11	9,959 5 11	760 0 1	—
Tyrone County,	Ditto,	2,300 0 0	2,300 0 0	370 4 3	—
Waterford County,	Ditto,	2,248 14 0	2,248 14 0	122 10 0	—
Waterford City,	Ditto,	1,550 0 0	1,550 0 0	75 7 5	—
Wexford County,	Ditto,	78,650 3 4	52,072 13 1	7,367 2 9	—
Wicklow County,	Ditto,	7,558 1 10	7,558 1 10	1,504 2 11	—
Westmeath County,	Ditto,	1,065 1 8	1,065 1 8	222 12 1	—
	Totals,	644,372 11 8	594,547 14 3	74,285 3 10	—
Roads and Bridges,	For Roads, Bridges, &c.,	43,700 0 0	30,878 8 1	16,472 9 0	2,971 11 11
Sundry Harbours, Docks, &c.,	In aid of construction,	189,270 0 0	49,874 6 11	121,802 12 6	68,186 3 3
Inland Navigation,	Improving Works, &c.,	69,950 0 0	14,403 1 3	41,972 10 6	—
Public Buildings,	Erection and completion of Works, &c.,	35,000 0 0	32,926 2 1	6,822 14 2	1,953 17 11
Railways,	In aid of construction, &c.,	157,200 0 0	157,200 0 0	73,784 16 7	—
Miscellaneous,	In aid of Sundry Works,	14,550 0 0	14,550 0 0	3,043 4 8	—
Ecclesiastical Commissioners,	Pursuant to 8 & 7 Wm. 4, c. 108,	100,000 0 0	100,000 0 0	43,453 11 1	—
Exchequer Bills issued and afterwards relodged,		3,700 0 0	3,700 0 0	361 14 7	—
	£	1,257,742 11 8	998,079 12 7	381,978 18 11	73,111 13 1
Relief Works,	Act 9 Vic., c. 1,	226,349 19 11	69,671 18 1	18,686 3 2	156,678 1 10
			1,468,396 10 9		

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(A 6.)—ABSTRACT of LOANS made by the COMMISSIONERS of PUBLIC WORKS, under the Provisions of Act 1 & 2 Wm. IV., cap. 33, and subsequent Acts, classified under Counties and other general heads and showing the Total Issues and Repayments to the 31st March, 1870—*continued.*

COUNTY, &c.	PURPOSE OF LOAN.	Total issued.	REPAYMENTS. Principal.	REPAYMENTS. Interest.	Remitted.
		£ s. d.	£ s. d.		£ s. d.
Piers and Harbours,	Act 9 Vic., c. 3, and 10 & 11 Vic., c. 75, .	42,717 11 0	*38,806 14 0		
River Drainage, . .	Act 5 & 6 Vic., c. 89,	2,082,052 7 3	*1,233,813 15 7		1,195,019 12 3
Do. .	Act 26 & 27 Vic., c. 88; Act 28 & 29 Vic., c. 52.	73,529 0 0	1,122 12 3		—
River Drainage Maintenance, .	Act 29 & 30 Vic., c. 59, .	1,016 19 2	*221 10 11		—
Maynooth College,	Additions and Improvements,	18,500 0 0	*5,895 15 3		—
Labourers' Dwellings,	—	638 0 0	*24 6 4		—
		3,702,546 9 0	2,748,281 5 1		1,424,809 7 2

* Repayable by way of Annuity.

Office of Public Works, Dublin, 30th April, 1870. W. B. SOADY, *Accountant.*

(A 7.)—A STATEMENT of the OUTSTANDING LOANS made by the COMMISSIONERS of PUBLIC WORKS in IRELAND, pursuant to Act 1 & 2 Wm. IV., c. 33, and 6 & 7 Vic., c. 44, showing the Issues and Repayments within the year.

PURPOSE OF LOAN.		Issued in the Year.	REPAYMENTS within the Year. Principal.	Interest.	By Annuity, including Principal and Interest.
		£ s. d.	£ s. d.	£ s. d.	£ s. d.
Cavan County, ...	Road, Cootehill to Ballyduff, . .	320 0 0	49 13 9	20 0 0	—
Galway, County of Town, . .	Do. Galway to Salthill, . .	—	86 17 7	18 2 5	—
Galway County, ...	Do. Do. to Headford, . .	500 0 0	—	—	—
Kilkenny County, ...	Rebuilding New Ross Bridge, .	10,406 11 8	729 14 1	844 0 11	—
Wexford County, ...	Ditto, ...	12,036 12 4	917 2 1	994 4 11	—
Athlunkard Bridge Commissioners,	Completing Works, ...	—	—	150 0 0	—
Wellesley Bridge, ...	. . . . .	—	125 2 4	324 17 8	—
Galway Harbour Commissioners, .	Constructing Docks, &c. . .	—	—	—	410 0 0
Limerick Harbour Commissioners,	Ditto, ...	—	—	—	2,012 11 8
Dublin Port and Docks Board, .	Improving Balbriggan Harbour, .	—	—	—	4 2 6
Newry Navigation Company, . .	Extension of Canal, ...	—	—	1,255 14 7	—
Bantry R.C. Chapel, ...	Enlarging Chapel, ...	—	30 0 0	—	—
Sundry Piers and Harbours, . .	Act 9 Vic., c. 3, &c.	2,068 0 0	469 15 9	—	254 7 7
River Drainage Works, ...	Executed under Act 5 & 6 Vic., c. 89,	—	—	—	40,217 2 1
Ditto, ...	Executed by Local Boards, . .	15,680 0 0	—	—	1,122 12 3*
River Drainage Maintenance, .	Act 29 & 30 Vic., c. 49, . . .	—	—	—	179 5 8
Maynooth College, ...	Additions and Improvements, .	300 0 0	—	—	591 10 0
Labourers' Dwellings, ...	Erection of Labourers' Dwellings in Towns, Act 29 & 30 Vic., c. 44, .	224 0 0	—	—	24 6 4
	Totals, ... £	43,035 4 0	2,408 5 1	3,607 13 0	53,815 18 1
	Total Repayments, .	—	£59,831 16 2		

* Including relodgment of £200.

Office of Public Works, Dublin, 30th April, 1870. W. B. SOADY, *Accountant.*

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(A 8.) ARTERIAL

SCHEDULE.—ABSTRACT of FINAL AWARDS, and Repayments

Districts.	Counties.	No. of Award.	Date when Awards made final.	Total Amount of Expenditure, for all purposes.	Portion of Total Expenditure charged to Counties for Public Works.	Portion of Total Expenditure charged on Lands.	Free Grants and Remissions
				£ s. d.	£ s. d.	£ s. d.	£ s. d.
Ardee,	Louth and Meath,	70	18 Sept., 1854,	22,280 5 8	1,355 5 1	9,920 12 5	11,004 6 2
Annagh (*Supplemental, 25th October*, 1854),	Galway,	64	29 April, 1852,	4,034 5 10	220 12 0	6,000 0 0	813 13 1
Blackwater,	Meath and Kildare,	1	10 March, 1849,	12,115 16 9	1,839 15 0	10,270 0 9	–
Borrisoknane (*Supplemental, 5th March*, 1855),	Tipperary,	63	20 April, 1852,	10,038 17 11	529 0 0	9,500 0 0	3,009 17 11
Borris-in-Ossory,	Tipperary and Queen's,	81	27 Sept., 1854,	20,020 5 1	970 10 5	10,000 0 0	9,049 8 8
Boyne,	Kildare, Meath, Westmeath, and King's,	86	21 April, 1855,	56,980 11 0	5,124 18 10	22,855 12 2	29,000 0 0
Ballybay,	Roscommon,	26	1 October, 1850,	848 17 4	41 6 2	807 11 2	–
Brosna, (*Ferbane div.*)	Westmeath and King's,	123	18 April, 1860,	107,657 8 8	–	39,540 0 0	98,117 8 8
Ballycasey (*Supplemental, 23rd February*, 1855),	Tipperary,	52	17 October, 1851,	3,805 3 2	185 13 4	3,000 0 0	619 9 10
Ballinhassig,	Cork,	49	13 „ „	7,844 17 1	598 8 9	7,270 8 4	–
Ballinderry,	Westmeath and King's,	16	30 April, 1850,	1,262 9 10	136 1 6	1,126 8 7	–
Ballyteige,	Wexford,	87	20 June, 1856,	43,526 15 3	58 0 0	10,808 15 0	20,660 0 3
Ballycowan,	Kildare,	6	10 „ 1849,	729 3 3	87 9 10	641 13 4	–
Broadlough (*Supplemental, 10th January*, 1856),	Mayo,	33	26 October, 1850,	1,241 10 9	135 15 6	900 0 0	206 1 3
Boley (*Supplemental 0th April*, 1857)	Galway,	53	17 „ 1851,	2,220 14 2	130 19 7	1,600 0 0	780 14 7
Ballinaldill,	Meath,	37	26 „ 1850,	1,167 4 7	93 14 6	1,073 10 4	–
Boardsmill,	Meath,	38	26 „ „	4,191 5 3	977 19 10	3,513 5 5	–
Ballinaskea and Castlerickard,	Meath,	39	20 „ „	2,223 11 7	187 4 1	2,036 7 6	–
Balla,	Mayo,	102	6 April, 1857,	18,213 15 2	716 5 11	3,900 0 0	13,597 9 3
Ballynahown,	Westmeath and King's,	91	14 „ 1852,	6,892 7 3	503 17 7	6,388 9 8	–
Ballinamore and Ballyconnel, (*Navigation, Drainage, and Water-power*)	Cavan, Fermanagh, Leitrim, and Roscommon,	120	10 January, 1860,	228,651 10 5	30,000 0 0	–	198,651 10 5
	Cavan, Fermanagh, and Leitrim,	121	6 March, „	53,723 5 7	2,268 5 1	24,412 0 0	29,293 0 9
		„	0 „ „	–	–	750 0 0	–
Barren,	Carlow and Kildare,	74	29 October, 1852,	26,079 9 11	1,683 18 9	24,395 11 2	–
Cahore (*Supplemental, 20th February*, 1857),	Wexford,	47	16 „ 1851,	4,315 14 11	45 11 6	3,250 0 0	1,020 3 5
Cappagh,	Galway,	101	27 March, 1857,	10,205 8 1	396 0 0	7,140 0 0	8,729 8 1
Camoge,	Limerick,	50	22 „ 1852,	4,437 11 9	90 17 11	4,646 13 10	–
Clonakilty,	Cork,	78	5 Sept., 1854,	11,734 5 10	32 1 3	11,702 4 7	–
Cork Slob,	Cork, County of City of,	95	29 April, 1852,	5,920 7 11	–	5,920 7 11	–
Carriggower (*Supplemental, 22nd October*, 1861),	Wicklow,	17	30 „ 1850,	3,237 8 4	102 10 7	2,344 18 0	789 19 9
Carrigans,	Donegal,	11	26 October, 1849,	2,475 7 10	141 5 3	2,334 2 7	–
Curraunboy (*Supplemental, 10th January*, 1856),	Mayo,	31	26 „ 1850,	205 5 7	26 9 4	200 0 0	98 16 3
Castlebar Lakes (*Supplemental, 7th March*, 1855),	Do.,	40	20 April, 1851,	1,708 6 4	11 15 7	277 7 7	1,419 3 2
Culmore (*Supplemental, 10th January*, 1856),	Do.,	32	26 October, 1850,	326 13 6	18 8 10	40 5 11	258 16 9
Camcloon,	Mayo,	35	26 „ 1850,	602 13 5	388 13 1	214 0 4	–
Carbury Mill-stream,	Kildare,	9	19 „ 1849,	637 10 10	34 18 3	602 12 7	
Carrowmore Lake (*Supplemental, 31st March*, 1856),	Mayo,	10	30 April, 1850,	706 12 1	6 7 1	403 0 0	297 5 9
Clonlost,	Westmeath,	48	13 October, 1851,	2,409 14 3	209 9 5	2,197 4 10	–
Castlebernard,	King's County,	99	30 „ 1856,	22,302 0 6	93 17 7	9,800 0 0	12,408 11 11
Cavetown,	Roscommon,	67	29 April, 1852,	1,933 18 5	–	1,933 18 5	–
Curragha,	Meath and Dublin,	22	30 „ 1850,	1,264 5 0	–	1,264 5 0	–
Croghan,	Roscommon,	68	29 „ 1852,	3,540 0 6	108 9 5	6,431 11 1	–
Castlemartyr,	Cork,	83	20 October, 1854,	7,389 19 6	913 6 5	4,040 0 0	1,836 13 1
Coolaney,	Sligo,	70	29 April, 1852,	4,625 0 0	–	4,625 0 0	–
Crosslough,	Mayo,	85	3 „ 1855,	405 1 2	–	352 0 0	53 1 2

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DRAINAGE.—5 & 6 Vic., c. 89.

thereon, for the Year ending 31st March, 1870.

Area of Catchment, or Rain Basin.	Area of Flooded or Injured Lands, which have been Drained or Improved. Statute Measure.	Cost per Acre of the Drainage, including Interest, &c.	Increase in the Annual Letting Value of these Lands, caused by Drainage	Amount of Instalments payable half-yearly, to repay Cost with Interest.	No. of half-yearly Instalments, to repay principal and interest	Repayments. To 31st March, 1869.	Repayments. For year ending 31st March, 1870.	Repayments. Total.	Districts
Stat. Acres.	A. R. P.	£ s. d.	£ s. d.	£ s. d.		£ s. d.	£ s. d.	£ s. d.	
58,000	3,252 0 11	0 12 0	1,751 10 4	442 10 1	30	14,045 2 3	451 1 0	14,460 3 3	Ardee.
13,120	907 0 30	4 4 1	339 2 0	90 9 6	35	3,912 13 10	193 10 0	4,106 4 4	Annagh.
50,000	3,827 2 18	2 13 8	1,034 7 0	382 4 1	40	16,174 1 9	4 11 6	16,178 13 3	Blackwater.
26,550	1,517 0 30	6 5 4	505 10 5	153 2 1	48	7,411 8 10	302 12 0	7,714 1 4	Borrisokane.
35,840	3,024 3 27	5 5 1	1,085 18 2	365 11 2	40	11,605 14 4	733 0 10	12,338 15 2	Borris-in-Ossory.
304,139	6,779 1 18	7 13 0	1,058 15 1	745 2 8	48	26,214 7 0	1,335 15 9	27,550 2 9	Boyne.
3,300	414 8 27	1 18 11	124 0 8	Paid off.	–	1,101 13 8	–	1,101 13 6	Ballybay.
389,120	11,998 0 30	8 13 4	2,871 0 11	1,359 14 0	44	24,952 10 4	2,930 7 0	27,888 17 10	Brosna (*Ferbane div.*)
7,080	753 3 6	4 19 0	225 12 8	68 13 1	48	3,459 5 4	114 17 1	3,574 2 5	Ballycasey.
23,500	1,452 3 5	5 0 2	447 8 10	212 19 2	00	9,202 18 1	283 1 10	9,485 19 11	Ballinhassig.
1,658	311 0 38	8 12 5	112 8 6	Paid off.	32	1,629 19 2	–	1,629 16 2	Ballinderry.
26,752	2,903 0 2	14 10 5	1,180 14 8	547 19 11	48	14,014 10 10	922 4 9	15,839 15 7	Ballyteige.
1,000	215 2 29	2 19 6	58 17 3	Paid off.	40	947 0 3	16 18 5	963 18 8	Ballycowan.
1,000	108 3 10	5 11 3	78 19 3	Paid off.	–	1,181 1 1	–	1,181 1 1	Broadlough.
3,500	683 0 4	3 0 11	188 18 11	Paid off.	–	1,758 3 8	–	1,758 3 8	Boley.
1,350	430 3 3	2 9 10	129 15 8	Paid off.	–	1,571 10 5	–	1,571 10 5	Ballinakill.
6,850	1,428 3 12	2 9 2	423 2 1	Paid off.	–	5,619 12 3	–	5,619 12 3	Boardsmill.
3,900	738 0 20	2 15 2	205 7 11	Paid off.	–	3,158 8 7	–	3,158 8 7	Ballinaskaa & Castlerickard.
30,720	1,759 2 20	9 18 10	228 15 3	112 3 11	60	8,339 11 3	257 4 5	3,599 15 8	Balla.
15,000	2,062 2 26	3 2 10	602 0 8	Paid off.	32	9,025 2 11	–	9,025 2 11	Ballynahown.
101,155	–	–	–	Paid off.	–	30,000 0 0	–	30,000 0 0	Ballinamore and Ballyconnel (*Navigation, Drainage, and Water-power.*)
	9,379 1 34 3 2 5	8 0 8 –	1,748 16 10 –	839 9 9 25 15 10	44 –	20,430 18 11	1,359 1 8	21,787 0 7	
40,000	8,008 0 6	3 0 1	2,580 19 0	920 12 2	40	30,729 0 7	1,201 10 1	31,990 10 8	Burren.
7,000	617 1 24	9 18 4	240 0 2	30 4 7	35	3,497 12 0	71 18 8	3,569 10 9	Cahore.
34,850	2,577 8 27	9 3 1	495 4 1	232 15 0	48	8,186 13 7	423 1 2	6,609 14 9	Cappagh.
61,184	1,412 0 7	3 1 7	846 8 9	Paid off.	–	5,340 7 9	–	5,340 7 9	Camoge.
2,000	202 0 30	30 19 2	–	304 11 1	40	32 1 3	–	32 1 3	Clonakilty.
330	214 0 20	27 18 0	573 6 10	Paid off.	32	8,144 10 11	–	8,144 10 11	Cork Slob.
12,000	592 0 31	5 5 10	274 18 9	Paid off.	–	3,054 7 10	–	3,054 7 10	Carriggower.
3,330	834 2 18	3 13 6	217 3 8	Paid off.	40	3,472 4 1	80 10 10	3,552 14 11	Carrigans.
200	46 0 31	5 18 4	19 9 0	Paid off.	–	241 10 5	–	241 16 5	Curraunboy.
1,500	185 2 27	9 2 9	85 19 1	Paid off.	–	310 19 7	–	310 19 7	Castlebar Lakes.
500	57 3 8	5 9 8	21 13 0	Paid off.	–	119 8 4	–	119 8 4	Cuilmore.
400	72 3 37	2 18 7	27 0 3	7 8 1	44	670 10 11	3 8 8	674 8 5	Camcloon.
1,600	198 0 20	3 1 0	44 10 0	Paid off.	40	892 11 4	21 19 10	914 11 2	Carbury Mill-stream.
800	190 2 30	3 19 2	54 18 5	Paid off.	–	849 19 7	–	640 10 7	Carrowmore Lake.
3,500	848 2 5	3 7 0	177 14 5	80 16 10	40	2,964 12 8	151 17 9	3,119 10 5	Clonlost.
38,000	2,499 3 27	8 17 8	709 1 3	337 0 0	44	8,368 0 8	671 1 1	9,067 1 7	Castlebernard.
8,000	309 0 37	6 5 0	117 1 8	55 18 6	00	1,904 5 9	110 6 2	2,014 11 11	Cavetown.
2,500	407 8 32	3 2 0	122 6 7	Paid off.	36	1,877 18 6	–	1,877 18 8	Curragha.
8,000	847 2 1	4 1 0	277 11 6	118 14 7	44	4,102 1 0	225 15 11	4,327 16 11	Croghan.
12,000	1,114 1 5	6 1 8	383 7 4	161 1 1	48	5,244 19 9	320 19 9	5,565 19 6	Castlemartyr.
90,744	792 3 18	5 16 8	241 2 7	119 3 0	76	4,021 1 0	237 0 0	4,258 1 6	Coolaney.
399	91 0 35	4 9 0	35 17 1	12 2 1	44	337 1 8	22 19 10	360 1 4	Crosslough.

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SCHEDULE.—ABSTRACT of FINAL AWARDS, and Repayments

Districts.	Counties.	No. of Award.	Date when Awards made final.	Total Amount of Expenditure, for all purposes.	Portion of Total Expenditure charged to Counties for Public Works.	Portion of Total Expenditure charged on Lands.	Free Grants and Remissions.
				£ s. d.	£ s. d.	£ s. d.	£ s. d.
Dungolman (*Supplemental*, 10th *April*, 1856),	Westmeath and Longford,	72	29 Sept., 1852,	10,587 1 10	335 12 0	8,000 0 0	2,251 9 4
Deel,	Meath and Westmeath,	82	18 October, 1854,	20,783 12 7	2,090 17 4	13,700 0 0	4,966 15 3
Dunkellin,	Galway,	100	7 Sept., 1857,	42,650 12 9	826 9 7	15,340 0 0	26,703 3 2
Derryllin,	Fermanagh,	93	19 Dec., 1855,	787 14 6	–	300 0 0	487 14 6
Drumhominy,	Do.,	20	30 April, 1850,	336 8 9	–	333 8 0	–
Drumcliff,	Sligo and Leitrim,	66	26 „ 1852,	4,070 7 9	224 7 8	3,846 0 1	–
Duumore,	Galway, Mayo, & Roscommon	115	20 „ 1850,	53,908 16 10	1,746 10 1	15,000 0 0	37,159 6 9
Dunmoran (*Supplemental*, 30th *September*, 1858),	Sligo,	71	29 „ 1852,	4,733 15 0	110 0 10	3,301 0 0	1,322 14 8
Derryholmes,	King's,	62	24 „ „	7,106 4 0	487 16 7	6,708 7 11	–
Eslin,	Leitrim,	66	12 „ „	11,350 0 3	577 16 2	10,778 10 1	–
Fane (*Supl.*, 1st *July*, 1854),	Louth,	43	20 Sept., 1851,	8,155 15 6	926 6 1	6,229 12 5	1,000 0 0
Fergus,	Clare and Galway,	124	36 October, 1860,	98,010 8 8	433 1 8	24,600 0 0	42,977 7 0
Foranwell,	Kildare,	55	26 „ 1851,	3,475 1 8	67 2 7	3,407 10 1	–
Glyde { Lands,	Louth, Meath, Cavan, and Monaghan,	92	27 „ 1855,	47,669 18 10	2,693 0 0	22,000 0 0	22,806 18 10
Glyde { Mills,				–	–	200 0 0	–
Gortean,	Kildare,	4	16 June, 1849,	3,526 4 11	139 10 4	3,386 14 7	–
Garr,	Do.,	27	1 October, 1850,	3,816 12 8	385 12 6	3,431 0 2	–
Glenarriff (*Red Bay*),	Antrim,	57	30 „ 1851,	3,345 4 4	–	3,345 4 4	–
Headford,	Leitrim,	24	16 Sept., 1850,	1,010 12 9	87 10 9	923 2 0	–
Hind River { *Drainage, Navigation abandoned*,	Roscommon,	97	11 July, 1856,	21,101 13 2	1,419 10 1	10,050 0 0	9,049 17 1
Hermitage,	Kildare,	5	16 June, 1849,	286 10 1	13 5 10	273 10 3	–
Inny,	Longford and Westmeath,	118	13 October, 1856,	58,208 3 3	701 4 6	14,000 0 0	43,446 18 7
Kilmannock, (*Supplemental*, 18th *August*, 1854),	Wexford,	12	20 „ 1849,	6,830 13 7	–	7,836 13 7	2,000 0 0
Killimor { Lands,	Galway,	95	20 March, 1850,	55,040 17 10	2,357 1 7	21,000 0 0	31,503 10 3
Killimor { Mills,	Do.,	–	–	–	–	00 0 0	–
Kilmaine (*Supplemental*, 13th *March*, 1855),	Mayo,	41	26 April, 1851,	10,060 10 1	243 4 11	7,000 0 0	9,747 5 2
Kilbeggan { Lands,	Westmeath and King's,	107	15 October, 1857,	26,056 8 7	–	3,850 15 0	19,818 9 4
Kilbeggan { Mills,	Do,	–	–	–	–	1,290 4 3	–
Kilbride,	Kilkenny and Tipperary,	91	6 „ 1855,	8,056 3 5	332 8 9	4,000 0 0	3,725 14 8
Kilmurry,	Meath,	0	30 July, 1849,	638 13 3	55 14 9	882 16 0	–
Kill,	Cavan,	60	17 August, 1855,	2,799 4 7	–	1,000 0 0	1,799 4 7
Kilcock,	Meath,	25	16 Sept., 1850,	1,880 3 6	17 14 0	1,801 0 6	61 0 4
Kinneen,	Fermanagh,	23	2 „ „	244 10 4	–	244 10 4	–
Kilmaganny,	Kilkenny,	00	13 „ 1855,	10,984 13 10	337 7 10	7,000 0 0	3,647 6 0
Keenagh,	Longford,	100	7 April, 1858,	10,826 0 7	230 2 8	4,450 0 0	6,140 3 11
Lough Aluck (*Supplemental*, 30th *September*, 1858),	Mayo,	15	30 „ 1850,	4,119 10 1	122 7 11	2,000 0 0	1,997 11 2
Longford,	Longford,	113	12 „ 1859,	44,024 13 7	2,425 11 0	18,200 0 0	24,299 2 7
Lorrha (*Supplemental*, 29th *April*, 1857),	Tipperary,	28	8 October, 1850,	3,504 10 3	55 0 0	2,800 0 0	649 19 3
Loughnasaggart,	Meath and Westmeath,	7	6 Sept, 1849,	683 14 6	0 6 0	674 6 6	–
Lough Gara and Mantua,	Mayo, Roscommon, & Sligo,	110	28 April, 1858,	24,797 4 8	35 18 4	10,650 0 0	14,111 6 4
Loughs Oughter and Gowna, &c., { *Drainage, Navigation abandoned*,	Cavan, Leitrim, & Longford,	110	20 October, 1859,	111,171 18 9	1,312 18 7	35,075 0 0	74,784 0 2
Loughans,	Kilkenny,	80	26 Sept., 1854,	4,107 7 4	94 0 0	1,800 0 0	2,273 7 4
Lough Neagh { *Navigation, Drainage, and Water power*,	Antrim, Armagh, Down, Londonderry, and Tyrone,	111	18 Feb., 1850,	106,174 10 4	37,006 12 6	–	69,077 17 10
		112	4 April, „	158,565 4 6	8,513 14 0	110,000 0 0	40,051 10 6
		–	–	357 17 10	Mills,	357 17 10	–

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thereon, for the Year ending 31st March, 1870—*continued.*

Area of Catchment, or Rain Basin.	Area of Flooded or Injured Lands, which have been Drained or Improved. Statute Measure.	Cost per Acre of the Drainage, including Interest, &c.	Increase in the Annual Letting Value of those Lands, caused by Drainage.	Amount of Instalments payable half-yearly, to repay Cost with Interest.	No. of half-yearly instalments, to repay principal and interest.	Repayments. To 31st March, 1869.	Repayments. For year ending 31st March, 1870.	Repayments. Total.	Districts.
Stat. Acres.	A. R. P.	£ s. d.	£ s. d.	£ s. d.		£ s. d.	£ s. d.	£ s. d.	
28,000	2,220 0 8	4 12 1	929 1 0	Paid off.	–	10,679 0 2	–	10,879 6 2	Dungolman.
04,000	4,499 3 36	4 6 0	1,584 8 9	Paid off.	28	19,721 17 4	–	19,721 17 4	Deel.
88,320	5,505 0 61	7 11 5	1,094 15 0	527 10 6	44	12,620 5 8	1,075 12 10	16,901 18 6	Dunkellin.
3,000	187 0 4	4 4 3	49 9 11	13 7 11	30	346 7 5	20 12 5	372 16 10	Derrylin.
1,000	134 2 5	2 9 7	30 11 0	Paid off.	–	454 2 9	–	454 2 9	Drumbominy.
14,204	647 0 11	5 18 11	207 11 1	99 5 9	70	3,509 6 9	197 1 8	3,700 8 5	Drumcliff.
96,101	4,837 1 10	10 15 8	1,051 1 11	489 9 0	48	11,545 9 0	930 4 7	12,475 13 7	Dunmore.
7,080	881 0 35	5 4 11	282 10 4	95 17 4	33	3,836 15 2	190 15 5	4,027 10 7	Dunmoran.
22,400	5,600 1 0	1 3 11½	958 1 4	Paid off.	–	8,692 19 1	–	8,692 19 1	Derryholmes.
19,840	2,630 3 5	4 1 8	886 15 1	396 11 2	40	13,321 19 3	307 2 4	16,689 1 7	Eslin.
87,400	1,521 3 28	4 15 0	533 2 7	205 6 10	38	6,304 4 6	407 11 7	8,771 15 10	Fane.
134,400	7,861 2 20	9 3 0	1,752 9 3	845 18 10	44	16,107 6 2	1,502 2 7	17,099 8 9	Fergus.
6,800	956 1 35	3 11 3	203 1 11	125 7 8	40	4,403 19 7	600 11 11	4,704 11 0	Foranwell.
170,813	6,709 0 38 0 2 6	6 11 11 –	1,904 17 0 –	803 2 5 7 16 11	36	26,216 0 0	1,973 1 6	28,189 8 0	Glyde.
7,170	1,440 0 12	2 7 0	438 0 2	Paid off.	40	4,524 6 3	42 15 2	4,567 1 5	Gortcen.
6,600	944 0 23	3 12 8	282 10 8	126 4 8	40	5,010 10 7	245 5 0	5,256 1 7	Garr.
9,200	520 0 30	6 7 2	214 12 4	105 13 0	50	3,624 9 2	105 13 1	3,790 2 3	Glenarriff.
3,520	304 1 20	6 0 8	144 10 9	Paid off.	–	1,298 8 11		1,298 8 11	Headford.
16,000	2,000 2 32	0 11 3	768 3 5	306 4 8	44	11,108 1 2	605 12 6	11,713 13 8	Hind River.
600	150 1 38	1 16 5	20 13 11	Paid off.	40	407 17 3	6 3 6	414 0 9	Hermitage.
231,110	6,850 1 0	8 7 8	1,400 9 5	625 2 0	30	13,374 16 3	869 3 8	14,243 16 11	Inny.
8,532	509 1 12	19 6 6	702 0 1	Paid off.	–	10,343 6 1	–	10,343 6 1	Kilmannock.
46,341	6,344 3 15 1 2 0	8 6 1 –	1,509 13 1 –	722 2 11 3 1 9	44	21,255 12 8	1,433 19 11	22,689 12 7	Killimor.
10,000	1,120 6 30	9 10 6	622 12 5	185 11 10	40	8,868 19 0	282 2 2	9,151 1 2	Kilmaine.
86,039 –	5,498 2 15 15 2 4	5 9 0 –	975 0 9 –	453 6 9 66 1 8	25 –	11,775 7 9	938 3 5	12,713 11 2	Kilbeggan.
8,000	2,156 0 15	3 11 0	505 14 8	Paid off.	28	5,383 5 6	184 11 10	5,567 17 4	Kilbride.
2,000	300 1 22	2 7 9	143 10 1	Paid off.	40	1,200 4 7	26 0 10	1,286 5 5	Kilmurry.
17,000	030 3 0	4 8 0	101 6 2	30 11 1	40	975 10 4	48 14 4	1,024 4 8	Kill.
6,230	491 3 11	6 13 4	190 4 1	97 15 1	40	2,403 10 1	114 0 7	2,577 10 8	Kilcock.
1,000	87 3 31	2 15 7	28 2 9	Paid off.	–	333 3 10	–	366 3 10	Kinmeen.
18,000	2,821 2 0	3 15 5	490 6 5	228 4 3	48	6,981 19 6	251 2 5	7,263 2 1	Kilmaganny.
18,000	1,758 3 0	6 0 5	317 15 2	156 0 6	44	3,852 0 1	240 10 2	4,092 10 3	Keenagh.
6,064	921 2 30	2 10 10	240 10 7	Paid off.	–	2,782 4 9	–	2,782 4 9	Lough Alick.
72,320	6,972 2 29	10 18 11	1,300 7 9	625 17 2	44	15,523 6 0	1,135 6 7	10,658 12 7	Longford.
8,900	1,057 1 13	6 5 3	335 7 9	Paid off.	24	6,780 12 3	–	3,780 12 3	Lorrha.
2,500	193 1 38	3 9 9	59 11 4	Paid off.	40	837 11 11	2 4 9	839 16 8	Loughnasaggart.
128,000	4,719 3 20	5 3 11	757 5 2	366 4 8	44	8,185 8 0	714 4 1	8,899 12 1	Lough Gara and Mantua.
260,480	10,537 2 8	10 8 4	2,506 14 4	1,206 3 2	44	25,452 13 3	2,304 8 3	27,757 1 11	Loughs Oughter, Gowna, &c.
3,500	548 1 2	7 3 8	214 4 4	05 10 0	40	2,181 14 1	84 7 0	2,200 1 10	Loughans.
1411320	– 29597 2 32 –	– 5 14 0 –	– 9,879 0 8 –	Paid off. 3,782 15 5 12 0 2	– 44 44	37,096 12 0 85,086 4 5	– 8,386 9 7	67,096 12 0 93,472 14 0	Lough Neagh, *Navigation, Drainage, and Water-power.*

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SCHEDULE.—ABSTRACT OF FINAL AWARDS, and Repayments

Districts.	Counties.	No. of Award.	Date when Awards made final.	Total Amount of Expenditure, for all purposes.	Portion of Total Expenditure charged to Counties for Public Works.	Portion of Total Expenditure charged on Lands.	Free Grants and Remissions.
				£ s. d.	£ s. d.	£ s. d.	£ s. d.
Leesborough,	Monaghan,	94	20 Dec., 1855,	0,081 8 2	247 11 5	3,000 0 0	2,833 16 0
Lough Crew,	Meath,	51	15 Oct., 1851,	2,753 10 8	157 18 6	2,596 1 2	–
Lough Dalla (*Supplemental, 10th October*, 1861),	Mayo,	50	29 „ „	2,836 11 9	101 1 10	2,274 0 0	371 9 11
Lavally,	Galway,	98	27 „ 1859,	15,820 8 8	379 11 8	4,250 0 0	11,196 17 0
Lough Mask and River Robe } *Navigation abandoned*, *Drainage*,	Mayo and Galway,	108	14 Jan., 1858,	3,713 4 10 63,066 11 7	1,412 3 5	10,500 0 0	3,713 4 10 51,754 8 2
Loughs Corrib, Mask, and Carra, } *Navigation, Drainage, and Mill Power*,	County of the Town of Galway, and Counties of Galway and Mayo,	116 117 123	30 June, 1859, 29 Sept., „ 4 April, 1860,	102,289 10 4 116,854 5 9 30,938 18 9	14,883 0 0 2,511 3 4 –	– 29,400 0 0 13,145 13 0	87,406 10 4 108,746 3 2
Lisduff,	Galway,	54	18 October, 1851,	1,545 15 11	–	1,545 15 11	–
Lough Lannagh,	Mayo,	103	7 April, 1857,	18,445 7 4	1,306 0 8	4,100 0 0	13,039 6 8
Moyour (*Supplemental, 12th April*, 1855),	Do.,	30	26 October, 1850,	8,764 1 2	1,039 19 9	4,000 0 0	3,724 1 5
Mullatany (*Supplemental, 10th October*, 1861),	Do.,	14	30 April, „	986 13 0	134 3 7	600 0 0	243 9 5
Miles and Templebryan,	Cork,	09	29 „ 1852,	1,392 5 3	69 15 6	1,322 9 9	–
Mullown (*Supplemental, 10th January*, 1856),	Mayo,	34	26 October, 1850,	347 7 4	13 12 2	300 0 0	33 15 2
Maghera,	Down,	58	30 „ 1851,	1,397 12 1	–	1,397 12 1	–
Moyne and Crossgatrick (*Supplemental, 10th October*, 1861),	Mayo,	21	30 April, 1850,	702 13 9	23 1 9	400 0 0	219 12 3
Monivea,	Galway,	105	24 „ 1857,	10,800 1 1	1,228 12 11	5,092 0 0	10,575 8 2
Nobber,	Meath,	44	20 Sept., 1851,	7,034 3 4	580 17 11	7,053 5 5	–
Oranhill (*Supplemental, 13th February*, 1857),	Galway,	2	4 April, 1840,	3,871 16 2	100 19 2	2,650 0 0	1,031 0 9
Owennabrockagh (*Supplemental, 13th March*, 1855),	Mayo,	20	26 October, 1850,	3,154 5 7	90 15 11	1,500 0 0	1,563 9 8
Owenkeagh,	Cork,	10	30 April, „	1,277 7 3	70 11 7	1,200 15 8	
Quin,	Clare,	84	25 October, 1854,	20,686 5 2	1,078 18 4	14,000 0 0	5,007 0 10
Red Bog,	Meath,	8	6 Sept., 1849,	904 19 11	60 16 11	808 0 0	–
Rath, or Clooneen (*Supplemental, 31st March*, 1856),	Longford and Westmeath,	73	30 „ 1852,	9,071 6 4	599 8 1	4,600 0 0	1,471 18 3
Ratoorgh,	Cork,	49	13 October, 1851,	928 7 11	–	928 7 11	–
Rinn and Blackriver,	Leitrim and Longford,	114	26 April, 1859,	33,750 11 1	2,279 14 3	15,000 0 0	16,476 10 10
Strokestown,	Roscommon,	96	11 July, 1856,	42,097 6 1	1,858 5 3	21,541 0 1	18,698 0 0
Shrule,	Mayo and Galway,	104	15 April, 1857,	30,573 19 3	932 0 1	7,500 0 0	22,141 19 2
Shinrone (*Supplemental 31st Mar.* 1856),	King's and Tipperary, Lands, Do., Mills,	75 –	20 „ 1853,	8,381 2 9 –	414 0 11 –	5,000 0 0 172 0 0	2,794 12 10 –
Shandon,	Waterford,	50	13 October, 1851,	1,030 12 0	370 0 0	660 12 0	–
Shandrum,	Mayo,	18	30 April, 1850,	712 10 3	–	712 10 3	–
Sow (*Supplemental, 23rd March*, 1859),	Wexford,	70	20 „ 1853,	8,825 9 3	415 12 11	6,500 0 0	1,909 16 4
Shanagolden (*Award abandoned*),		–	–	3,741 8 4	227 15 5	–	3,513 12 11
Saleen Lough (*Supplemental, 25th April*, 1858),	Mayo,	42	29 April, 1851,	3,070 13 11	135 18 6	2,043 15 6	493 15 5
Turloughmore,	Galway,	88	28 June, 1855,	60,832 9 1	1,126 10 2	23,000 0 0	36,705 18 11
Templemore (New award)	Tipperary, Lands, Do., Mills,	77 –	1 July, 1854,	15,008 15 6 –	1,008 3 2 –	7,500 0 0 280 0 0	7,030 12 3 –
Tawnawoggann (*Supplemental, 31st March*, 1859),	Mayo,	36	26 October, 1850,	1,334 0 10	155 12 4	1,000 0 0	178 8 6
Wilkinstown,	Meath,	10	19 „ 1840,	1,704 0 0	190 17 7	1,573 2 5	–
Wottonstown,	Louth,	45	20 Sept., 1851,	1,102 13 0	80 17 7	1,021 15 5	–
Youghal,	Cork,	100	18 Feb., 1857,	22,890 2 7	–	7,000 0 0	15,890 2 7
Maintenance Works, 20 & 30 Vic., c. 49 (Balla, Ballinderry, Lough Dalla),				2,390,312 12 4 1,028 11 6	52,180 12 8 –	902,833 2 10 –	1,336,092 12 3 –
				2,391,341 3 10			

Office of Public Works, Dublin, 30th April, 1870.

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thereon, for the Year ending 31st March, 1870—*continued.*

Area of Catchment or Rain Basin	Area of Flooded or Injured Lands, which have been Drained or Improved. Statute Measure.	Cost per Acre of the Drainage, including Interest, &c.	Increase in the Annual Letting Value of these Lands, caused by Drainage.	Amount of Instalments payable half-yearly, to repay Cost with Interest.	No. of half-yearly Instalments to repay principal and Interest.	Repayments. To 31st March, 1869	Repayments. For year ending 31st March, 1870.	Repayments. Total.	Districts.
Stat. Acres.	A. R. P.	£ s. d.	£ s. d.	£ s. d.		£ s. d.	£ s. d.	£ s. d.	
11,022	728 2 27	8 0 3	221 11 9	163 3 3	44	2,004 14 0	192 16 1	3,097 10 1	Leesborough.
2,306	489 0 34	5 9 1	140 4 8	99 2 0	72	2,707 13 7	102 19 1	2,870 12 8	Lough Crew.
4,560	983 0 15	2 13 10	201 16 2	97 9 7	40	3,007 11 7	119 13 11	3,187 5 6	Lough Dalla.
28,160	1,046 2 0	7 10 2	304 9 8	146 3 0	44	3,996 19 9	271 3 5	4,268 0 2	Lavally.
225,000	5,805 0 13	10 18 5	625 10 0	302 1 3	00	8,251 5 10	597 16 11	8,849 2 9	Lough Mask & River Robe.
780,000	– / 5,032 2 4 / 26 1 19	– / 22 13 10 / –	– / 1,861 4 2 / –	Paid off / 885 14 1 / 480 11 0	– / 56 / 40	14,883 0 0 / 27,605 4 6	– / 2,009 8 2	14,883 0 0 / 30,114 12 8	Loughs Corrib, Mask, and Carra, *Navigation, Drainage, & Mill Power.*
2,400	408 1 11	3 2 0	112 16 8	48 7 2	52	1,673 9 5	110 2 2	1,783 11 7	Lisduff.
21,440	1,750 2 5	0 15 9	241 13 5	117 10 0	00	3,777 6 4	316 13 9	4,093 0 1	Lough Lannagh.
6,000	1,040 3 11	7 8 5	553 8 4	Paid off.	26	6,227 8 10	–	6,227 8 10	Moyour.
2,210	320 0 15	2 12 4	117 5 1	Paid off.	–	932 8 8	–	932 3 3	Mullafarry.
10,285	259 1 20	5 2 0	94 14 2	45 15 2	44	1,014 10 4	91 11 2	1,706 7 6	Miles and Templebryan.
400	74 3 13	4 0 2	29 11 1	Paid off.	–	362 19 8	–	362 19 8	Mullawn.
19,000	393 1 22	3 11 0	147 3 5	Paid of.	32	1,863 15 1	–	1,863 15 1	Maghera.
000	96 1 32	7 0 11	50 16 10	Paid off.	–	632 14 7	–	632 14 7	Moyne and Crosspatrick.
54,096	1,481 0 0	10 11 7	305 7 4	149 9 0	00	4,802 10 7	275 14 10	5,078 5 5	Monivea.
40,000	1,357 1 3	5 3 11	586 13 2	299 8 9	40	9,738 14 0	513 16 11	10,252 10 11	Nobber.
Unknown, being in cavernous limestone.	974 0 16	3 15 7	315 10 1	Paid off.	–	4,080 12 9	–	4,080 12 9	Oranhill.
6,000	370 0 35	8 1 6	224 1 0	Paid off.	26	1,879 15 8	–	1,879 15 8	Owenabrockagh.
15,700	303 2 15	3 1 4	90 0 10	41 15 1	44	1,647 4 8	75 12 2	1,722 10 10	Owenkeagh.
37,120	4,305 0 20	4 8 1	1,032 15 3	456 8 6	48	14,511 7 0	780 12 0	15,291 19 9	Quin.
3,000	241 2 8	3 14 4	75 8 5	33 0 9	40	1,320 10 11	22 10 8	1,343 1 7	Red Bog.
15,000	1,157 3 35	5 4 10½	401 10 10	107 8 11	32	6,109 13 2	320 3 11	6,489 17 1	Rath, or Clooneen.
2,780	244 1 0	3 16 0	51 7 11	23 9 1	80	897 5 5	20 5 4	923 10 9	Ratoorugh.
74,000	4,905 2 20	6 12 10	1,070 5 2	515 16 5	44	12,979 3 10	1,031 3 0	14,010 0 10	Rinn and Blackriver.
70,000	7,478 2 21	5 8 8	1,794 17 10	741 5 4	44	21,037 9 0	1,094 0 10	23,031 9 10	Strokestown.
27,000	3,207 0 5	0 4 10	443 19 10	215 15 2	60	7,116 14 1	251 14 10	7,368 8 11	Shrule.
35,840	1,288 3 7 / 3 1 0	0 0 11½ / –	434 10 7 / –	190 4 8 / 4 8 10	40 / 80	5,977 2 1	287 1 3	6,264 3 4	Shinrone.
160	43 1 15	15 4 10	57 8 7	22 17 2	44	1,101 15 9	45 7 5	1,207 3 2	Shandon.
700	132 1 35	5 7 7	53 10 0	24 13 1	44	916 3 6	20 7 1	936 10 7	Shandrum.
14,000	1,983 0 10	4 4 10	609 9 5	290 10 0	44	8,349 15 8	523 19 3	8,873 14 11	Sow.
–	–	–	–	–	–	227 15 5	–	227 15 5	Shanagolden.
2,850	900 3 14	3 4 11	259 3 10	40 1 9	28	2,863 7 5	80 0 3	2,943 7 8	Saleen Lough.
212,480	8,180 3 20	7 0 7	1,695 2 9	749 16 10	48	21,400 9 9	1,529 3 8	22,929 13 5	Turloughmore.
33,000	3,394 0 21 / 2 2 0	4 7 3 / –	1,203 5 10 / –	334 17 6 / Paid off	30 / „	10,968 9 5	212 5 10	11,180 15 3	Templemore.
2,200	204 1 0	4 0 1	82 10 10	33 7 3	30	1,417 9 10	20 12 3	1,438 2 1	Tawnawoggaun.
10,600	700 2 37	2 4 10	217 10 8	Paid off.	40	2,398 2 0	53 14 8	2,451 17 5	Wilkinstown.
0,300	316 1 17	3 4 7	96 15 8	40 9 6	40	1,499 3 4	79 17 3	1,579 0 7	Wottonstown.
1,547	224 0 0	101 18 7	560 0 0	Paid off.	–	8,157 19 7	–	8,157 19 7	Youghal.
6,358,358 –	266,780 2 4 –	Average, 8 11 4 –	74,502 7 2 –			970,080 2 11 –	49,217 2 1 / 221 10 11	1,020,107 5 0 / 221 10 11	
						970,080 2 11	49,438 13 0	1,020,418 15 11	

W. B. Soady, *Accountant.*

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(A 8.) ARTERIAL DRAINAGE.—

These Works are executed under District Boards in

SCHEDULE —ABSTRACT of FINAL AWARDS, and Repayments

Districts.	Counties.	No. of Award.	Date when Awards made final.	Total Amount of Expenditure, per Award.	Portion of Total Expenditure charged to Counties for Public Works.	Portion of Total Expenditure charged on Lands.
				£ s. d.	£ s. d.	£ s. d.
Athboy River,	Meath,	3	4th April, 1869,	11,141 16 2	–	11,141 16 2
Ballynacarrig,	King's and Queen's,	1	9th „ 1868,	5,975 9 1	–	5,975 9 1
Connell,	Kildare,	5	19th Jan., 1870,	2,482 13 0	–	2,482 13 0
Rathdowney,	Queen's,	2	9th Oct., 1668,	2,648 6 3	–	2,648 6 3
Quinagh,	Carlow,	4	19th Jan., 1870,	2,500 18 8	–	2,500 18 8
			Total,	24,749 3 2	–	24,749 3 2

ARTERIAL DRAINAGE WORKS in progress,

Brickey,	Waterford,	–	–	4,142 0 0	–	–
Clodiagh,	Tipperary,	–	–	4,000 0 0	–	–
Camoge,	Limerick,	–	–	1,000 0 0	–	–
Doohyle,	Limerick,	–	–	800 0 0	–	–
Elphin,	Roscommon,	–	–	6,000 0 0	–	–
Kilmastulla,	Tipperary,	–	–	9,654 0 0	–	–
Parsonstown,	Tipperary and King's,	–	–	6,450 0 0	–	–
Six-mile-bridge,	Clare,	–	–	14,900 0 0	–	–
Silver River,	Westmeath,	–	–	3,233 0 0	–	–
	Total,			£50,179 0 0	–	–
	Awards as above,			24,740 3 2	–	–
	Total charge against districts,			74,928 3 2	–	–

Office of Public Works, Dublin, 30th April, 1870.

APPENDIX B.

Landed Property Improvement.

Inspectors' Annual Reports.

APPENDIX B.

LANDED PROPERTY IMPROVEMENT.—INSPECTORS' ANNUAL REPORTS, 1869-70.

North Western District, comprising Fermanagh, Cavan, Leitrim and parts of Sligo, and adjoining counties.

Works generally have been well conducted throughout this district, experience in details of management as well as in planning and laying-out improvements of landed property, having become so common that the difficulties which formerly interfered with all who were unable to employ superintendents brought from a distance at high salaries, have disappeared, and landowners can readily find men competent to execute what is required, and with regular cash payments for task work, which is now the rule and not the exception as it was twenty years ago, undertakings are carried out easily and successfully, which were then attempted only by the larger proprietors and leading agriculturists. The Board of Works by giving facilities to owners of entailed estates, and to others who were embarrassed by the potato failure of 1847, and at the same time printing rules for the systematic conduct of work in the manner tested by the best Scotch farmers, has thus succeeded in carrying out the intentions of the legislature, and been the means of diffusing a knowledge of agricultural improvement very largely among farmers, in addition to those who availed themselves of loans. It is also right to add that with cash payments, and properly skilled superintendents the labourers always work steadily and quietly.

The above remarks are general and applicable to the whole district—for details and price list, I may refer to the progress reports furnished to the Board from time to time, as each case proceeded, merely specifying here that I have reported on almost every variety of work that can be carried out on any estate, large or small, and that many proprietors who began with thorough drainage only, have proceeded with loans for other purposes, and are satisfied with the terms and facilities given by the Board.

Thus I have on my list thorough drainage, clearing

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26 & 27 Vic., c. 88, &c.

accordance with the Provisions of the above Acts.

thereon, for the Year ending 31st March, 1870.

Area of Flooded or Injured Lands, which have been Drained or Improved. Statute Measure.	Cost per Acre of the Drainage, including Interest, &c.	Increase in the Annual Letting Value of these Lands, caused by Drainage.	Amount of Instalments payable half-yearly, to repay Cost with Interest.	No. of half yearly instalments, to repay principal and interest.	Repayments. To 31st March, 1869	Repayments. For year ending 31st March 1870.	Repayments. Total.	Districts.
A. R. P.	£ s. d.	£ s. d.	£ s. d.		£ s. d.	£ s. d.	£ s. d.	
1,388 0 27	8 0 5½	569 16 6	362 2 2	44	–	362 1 5	362 1 5	Athboy River
2,592 1 23	2 7 5½	516 14 0	194 4 0	44	–	388 8 0	388 8 0	Ballynacarrig.
747 2 0	3 6 5	171 12 2	83 17 0	44	–	Nil.	Nil.	Connell.
413 1 39	6 6 1	189 0 4	86 1 5	44	–	172 2 10	172 2 10	Rathdowney.
680 3 0	3 13 5½	208 1 5	81 5 7	44	–	Nil.	Nil.	Quinagh.
5,732 1 9	4 5 9¾ Average.	1,655 4 5	807 10 2	44	Nil.	922 12 3	922 12 3	

showing the Issues made to 31st March, 1870.

–	–	–	–	–	–	–	–	Brickey.
–	–	–	–	–	–	–	–	Clodiagh.
–	–	–	–	–	–	–	–	Camoge.
–	–	–	–	–	–	–	–	Doohyle.
–	–	–	–	–	–	–	–	Elphin.
–	–	–	–	–	–	–	–	Kilmastulla.
–	–	–	–	–	–	–	–	Parsonstown.
–	–	–	–		–	–	–	Six-mile-bridge.
–	–	–	–	–	–	–	–	Silver River.
–	–	–	–	–	–	–	–	
–	–	–	–	–	–	–	–	
–	–	–	–	–	–	–	–	

W. B. Soady, *Accountant.*

of rocks, fencing, planting, and building of farm offices on the estate of the Duke of Abercorn; the tapping and draining of small shallow lakes, and swamps on Sir John Young's; the deepening of river courses on those of Lord Headford, Mr. Brett, and Mr. F. Lambert, who has also made roads, and built farm offices and labourers' dwellings; the reclamation of bog on Mr. O'Beirne's property in Leitrim, aided by a portable railway and waggons for carrying out the clay; the enclosing of mountain sheep farms by Colonel Whyte, who has also utilised his money by enclosing rocky spaces of natural scrub, which then speedily turns to profit for cutting; the building of walls for shelter, and sheep folds by Mr. Staples; protecting seaside walls by Mr. Tottenham, Major Ffolliott, and others; estate roads by Major Irvine, Mr. La Touche; embankment against flood by Captain Sheffield.

I have quoted these out of many, merely to show that every kind of land improvement work has been executed within the rules of the Board, and that they meet all the requirements of landowners.

The applications for new loans in this district have not been numerous, as landowners usually wish only to improve what is in their own occupation, and inform me that they will not proceed on tenants' farms while the Land Bill remains unsettled.

But so far as the administration of the money by the Board of Works is concerned, the best proof of its being satisfactory is that so many of the proprietors whose estates I inspected and reported on more than twenty years ago have continued to avail themselves of the Acts by obtaining loans for such farms as might come into their own hands from time to time.

W. P. Prendergast.

Appendix B.

Landed Property Improvement.

Inspectors' Annual Reports.

County of Down and portion of Antrim.

Dunfanaghy, March 14th, 1870.

In compliance with your instructions, I now beg to submit my report on the working of the Land Improvement Act in the county Down and Antrim, since the date of my appointment as Inspector on the 1st day of July, 1869, to this date.

During that period I have been called on to inspect a farm residence, and farm steading in course of erection by Lord Dufferin and Clandeboye.

A range of farm building and two labourers' cottages erected by Viscount Massareene and Ferrard, and some through drainage and embankment carried out by Captain Harrison, at Holywood.

I have not been called upon to inspect any planting.

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APPENDIX B.

Landed Property Improvement.

Inspectors' Annual Reports.

The above works, generally speaking, have been executed in the most creditable manner—the farm residence built by Lord Dufferin, and the range of farm buildings and labourers' cottages by Lord Massareene in the most superior manner, and I have no doubt when the satisfactory results obtained in these instances become more generally known and appreciated, and the facilities afforded by the Act of 1866 better understood, that many more will avail themselves of its provisions.

It occurs to me that it would be well if proprietors about to erect dwellings for their labourers, would consult the very admirable plans prepared by the Board for their guidance, they being so simple in detail and economical in construction; and in my opinion more suitable as dwellings for the poor than the more ornamental structures which are sometimes erected.

I think that in reference to building it would be very desirable if the Board would insist on a progress inspection being held before the roof or plaster be put on, as the inspector has sometimes great difficulty in satisfying himself as to the efficiency of work which is completed before he sees it.

EDWARD MURPHY.

Counties of Donegal, Londonderry, Antrim, Down, Monaghan, Cavan, Tyrone, and Fermanagh.

I beg leave to acknowledge the receipt of your letter dated January 25th, requesting me to furnish as soon as convenient my annual report on the working of the Land Improvement Acts, for the year 1869, and up to the date of such report for the past period of the current year, in accordance with which I beg leave to submit as follows, viz:—

During the past year (1869) the works inspected and reported on by me have been of a varied description, such as thorough and river drainage, farm offices, labourers' and farm dwellings, slob reclamations, sea embankments, shelter plantation, &c. The principal of these works I shall here notice.

In the county of Donegal, Mr. Alexander J. T. Stewart, of Ards, is carrying on extensive works, which will not only improve the appearance of his mountain lands, but greatly add to their value. In the mountain districts, open sheep drains have been cut, which drains the wet peaty surface, and where formerly it took six acres to graze one sheep, one acre is at present found sufficient. I mention this as an instance to show what mountain districts generally throughout Ireland may be brought to. It is proposed under Mr. Stewart's loans to take in a considerable reach of slob grounds—make tidal embankments, &c. Mr Conolly, M P., is laying out a considerable loan at Cliff, comprising thorough drainage, making new roads and fences, &c.

In Londonderry, close to the town of Dungiven, I have had experience during the last year of what mountain property may be brought to. Two loans executed by Mr. Michael King for Mr. Field and others, and the Misses Alexander, have turned out a great success, inasmuch as at the present time, there is every appearance of improvement in the means of the tenantry as well as in their lands. In both these properties (which I had an opportunity of witnessing in progress from the commencement) the loans were altogether expended through the tenants, which, while improving their farms in draining, making new roads, enlarging the fields, &c., kept the capital in their own hands.

There has been a further loan granted lately to both these parties to finish up with.

In the liberties of Coleraine, the Rev. John Lyle has built two commodious farm dwellings with suitable offices, to which good-sized farms are attached.

In the county Antrim, the Rev. A. Traill has nearly completed a suitable dwelling-house with offices for a tenant.

Viscount Templetown is by far the most extensive proprietor in this county in carrying forward improvements under the Board, and is at present erecting farm dwellings, offices, &c., for tenants who hold large farms, and were formerly badly housed. Lately I have made a preliminary inspection and report for an extensive loan granted in the neighbourhood of Belfast, to the same proprietor for land requiring thorough drainage badly.

The Marquis of Donegal has nearly completed the entire drainage of Lowwood Park, and here I may state, that this is the most perfect system of drainage which has yet come under my notice. There were obstacles in the way, the lands lying directly under the *Cave Hill* from which in heavy rain fall, sudden floods had to be dealt with. Mr. Stephens, the Scotch steward, has the credit of carrying out these works.

General Wardlaw is at present carrying on drainage and other works at Crebilly, near Ballymena.

In the county Down, Captain John Harrison has made a good sea reclamation at Holywood, which was attended with considerable difficulties in forming a large sea embankment, and self-acting tidal sluice gates, and thorough draining the ground reclaimed; yet, I consider the loan has been well and remuneratively expended.

In the county Monaghan, Miss Ross has erected a series of labourers' dwellings and farm offices. These dwellings, particularly about where she resides, will add much to the comfort of her labourers, who were formerly indifferently housed.

In this county, the Rev. William Woodright is finishing additional farm offices, which will much improve his property.

In the county Cavan I have inspected works on the property of Sir John Young, bart., which, when completed, will add much to the value of his property near Baliebrough.

In the county Tyrone, Colonel Augustus S Bolton, who has recently purchased Killymoon, is laying out a considerable loan in drainage, preparing land for steam ploughing, farm offices, and labourers' dwellings.

Captain Deane Mann has now completed his labourers' dwellings, which will be a great comfort to his labouring class in that mountain region. He has also finished this year a small loan for shelter plantation.

Captain G. P. M'Clintock, Teskmore, has also finished a loan for shelter plantation, which will be a great improvement to his property there.

Mr. John Wray is building a set of farm offices near Kilstrule, which, when completed, will add much to his convenience.

Dr. Burnside, Corcreevy, near Fivemiletown, has effected a good bog reclamation, and built offices and houses in addition to his farm yard.

The Earl of Charlemont is draining a portion of the lands at Roxboro', lying alongside the River Blackwater, by means of an embankment and catch-water cut.

The Rev. John H. King has just completed a loan for drainage very expeditiously near Dungannon. I have much pleasure in stating for the information of the Commissioners, that the works that have come under my inspection are well and carefully carried out, and whenever landed proprietors seek my advice, as a matter of course it is given, and am glad to add nearly in every instance adopted.

THOMAS S. IRWIN, C.E.

Counties of Carlow, Queen's, King's, Kilkenny, and Wexford.

Ashfield Hall, Carlow,
1st February, 1870.

During the year ending 31st January, 1870, I have inspected works executed, and in progress, under the provisions of the Land Improvement Acts, viz.:—Land improvement, thirty cases; farm buildings, eight cases; farm dwellings and offices, four cases; labourers'

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dwellings, nine cases; planting for shelter, one case; total, fifty-two cases, in Carlow, Kildare, Kilkenny, Wexford, Waterford, and Queen's counties, and in each case I was able to report favourably, in some the works had been extremely well executed.

The facilities afforded by arterial drainage, for the extension of thorough drainage, will, I have no doubt, increase the number of works of this description, which will be carried out in future. The unsettled state in which at present the relations of landlord and tenant are, I have no doubt, greatly impedes improvement

The condition of labourers is of late years much improved; wages are increased one-third; they are better fed, better clothed, and consequently able to work. Those employed at tasks now earn nearly double as much as they did five years ago; they are more skilled, do more work, and in a superior manner.

Occupiers and proprietors are universally satisfied at the result of works executed under the provisions of the Land Improvement Acts.

J. FISHBOURNE.

Counties of Longford, Roscommon, and Sligo, and parts of Westmeath and Leitrim.

Newtown-Bond, Edgeworthstown,
2nd February, 1870.

I beg to acknowledge the receipt of your letter of the 25th ult., requesting me to furnish my annual report on the working of the Land Improvement Acts for the year 1869, and up to the date of such report for the past period of the current year.

In the counties of Longford and Westmeath very valuable improvements continue to be carried out with vigour on the property of the Hon. L. H. King Harman, under his experienced superintendent, Mr. Thomas Robinson, and a dwelling house at Glanmore has been completed by him in a most satisfactory manner. On the properties of Messrs. W. F Armstrong and B. Slater, in the county of Longford, and Mr. Robert R. Smyth, in Westmeath, good works are also in progress, and in the former county Mrs. Patton has applied for a small loan for main and thorough drainage, on which I have reported. In the county of Roscommon Colonel Chichester is carrying out the improvements under three loans in a very spirited manner. Two of them were obtained in 1869, one for farm buildings, the other for drainage and planting for shelter. The greater part of the farm offices are being built with concrete under "Tall's Patent," and if successful I am sure it will come into use very extensively, as a number of persons take a great interest in watching its progress. A large quantity of land has been laid out for planting, but though little had been done within at the time of my visit, Colonel Chichester told me he expected to have it all finished this season. Mr Denis O'Connor has also obtained a loan for repairing and altering an old dwelling house, and building a new range of offices, which are nearly completed. On Mr. W. R. Tredennick's property very good improvements have been effected in the reclamation of bog, in which he is obliged to proceed slowly with the work.

Mr. Taaffe Ferrall has lately obtained two loans for drainage, which, though their amount is small, will greatly benefit his property, and when he sees their results, will, I think, be inclined to take further advantage of the Act.

In Sligo works seem to be proceeding slowly; new loans have, however, been taken out by Messrs. Tottenham, Thompson, Walker, and Orme, but they are all of small amount, chiefly for drainage and fencing. Mr. Tottenham has also obtained a loan for farm buildings, which are in progress.

I reported last week on a small loan in Leitrim for Mr Hamilton, which includes one acre of planting for shelter.

Throughout the whole of the above district, I think much more advantage would be taken of the "Land Improvement Acts," were it not for the difficulty of procuring labourers, which is complained of in every part.

WILLIAM BOND.

County of Tipperary and part of Galway.

Riverston, Nenagh,
March, 1870.

In reply to your circular, I have the honour to state that the works under the Acts for the Improvement of Landed Property in the district intrusted to my supervision, although limited in number, not exceeding twenty-six cases of inspection during the past year, have been carried out in the same satisfactory manner as referred to in the annual reports heretofore submitted by me.

The applications for loan for "farm buildings" and "farm residences," have increased during the past year in this district, while in two cases only have I made inspections for thorough drainage, and other works connected with the improvement of the land, those were however of considerable extent, involving in one case a large outlay, but in this case, the works have not yet been proceeded with.

I apprehend that the state of uncertainty as to the future position of landlords and tenants has retarded the application for loans by the landlords, and the tenants, to whom the law in its existing provisions is open, are not numerous. I should hope, however, that increased facilities may be given to tenants to borrow money, and that the annual valuation of farms, on which advances can be obtained, may be fixed at a lower standard than at present exists.

There has not been any application for loan for the planting of land (either on hill or moor) for shelter, though such works would prove very beneficial in different parts of the district.

The provisions of the Act 29 & 30 Vic. c. 40, either as regards the above, or the erection and improvement of farm dwellings, does not appear to be generally known, or I apprehend the application for loans for such works would be more frequent.

In many parts of the district, arterial drainage is much required, but in only one or two cases, would any project, entailing a large expenditure be necessary. I regret to observe so much indifference existing, in a matter of so much importance to the country generally.

JAMES JOCELYN POE.

Counties of Dublin, Kildare, Louth, Meath, Wicklow, and parts of Westmeath and Wexford.

5, Lansdowne-terrace,
Shelbourne-road, Dublin,
February 22, 1870.

In compliance with the wish lately expressed by the Board that I should furnish as usual my annual report on the working of the Land Improvement Acts during the past twelve months, I have the honour to submit the following statement of the facts that have come under my notice since this time last year—believing, as I do, that a simple narration of my experiences in the counties above named will be the best method of carrying out the instructions of the Board as it will enable them to form their own judgment upon the matter under consideration, while any opinions I may deem it well to give need only serve as an assistance to them in deducing their own conclusions.

I will first, however, take the liberty of assuring them that every proprietor with whom I conversed on the subject expressed himself perfectly satisfied with the conditions on which he had effected his loan, and gratified with the result of the works which he had carried out with the money thus lent him. The labourers also, in every instance,

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APPENDIX B.

Landed Property Improvement.

Inspectors' Annual Reports.

appeared most grateful for the employment which these loans afford them, and although the emigration, &c., of past years has much thinned their numbers, those that remain find they can now earn higher* wages than they ever did before, and feel that they improve their own social position and increase their home comforts at the same time that they benefit the lands of their employers.

I will now take the different counties in which I inspect in alphabetical order, and name and classify as well as I can the various works of improvement that I have seen in each.

In the county *Dublin* I have set out some valuable drainage works, &c., on the property of the Right Honorable Colonel Taylor, M.P., and having inspected similar improvements carried out by Mr. Thomas Knox, of Walshestown.

In *Kildare*, I have not made any preliminary inspections during the past year, but was called upon to report on some nice and well-planned farm buildings at present erecting near Old Kilcullen, for Robert Law, esq., of Newpark, and on some remarkably pretty and well-built labourer's dwellings which are built on the extensive property of John La Touche, esq., situated in the same neighbourhood. Besides the above-named, my visits of inspection in the county Kildare were chiefly made to the lands of the following proprietors, on all of which I found some valuable and extensive improvements in the way of drainage and farm fences:—George P. L. Mansfield, esq., of Morristown Latten, Nicholas J. Gannon, esq., of Laragh, and Captain R. W. Hartley, of Clonsilla (whose works are situated about Confey on the borders of the county Dublin). Some similar and excellent works of improvement have also just been finished, near the town of Kilcock, on lands at present in Chancery and in the possession of Messrs. M. Aylmer, Wright, and Ferguson.

In *Louth*, are to be found the well executed and effective drainage works of the Messrs. Supple, of Dunleer, and of George C. Smyth, esq., of Queensborough, whose property of Mellifont lies partly in Louth and partly in Meath; in which latter, the greatest number of my inspections during the past year were made.

In the county *Meath* I made a preliminary inspection for proposed fencing and drainage works on the townland of Reask, which is situated near Athcarn Castle (barony of lower Duleek), and is the property of the Misses Gernon; while I inspected some equally valuable and extensive improvements of a similar kind on the properties of Lord Athlumney and of Messrs. G. A. Rotheram, C. B Caldwell, George Bomford, Robert G. Daniell, W. E. Smyth, and George C. Smyth. In this county are also some extensive building works, for the erection of which the proprietors have availed themselves of the facilities and inducements held out to them in the shape of a loan from the Board. In the neighbourhood of Crossakiel, for instance, are many excellent labourers' dwellings and farm-offices, &c., erected by Robert C. Wade, esq., of Clonebraney, for the tenantry on his estate. Again,—a little further in the Westmeath direction—are the house and offices of Lakefield (the property of J. L. W. Naper, esq., of Loughcrew); the latter new, and the former recently re-roofed under the provisions of the Act of 1866 (29 & 30 Vic., cap. 40). Within four or five miles of Trim is the extensive range of farm-offices recently completed at Boyne View, the property of Samuel Law, esq., and which is deserving of attention and praise; while, about the same distance from Drogheda, we find the neat and commodious labourers' dwellings of H. B. Coddington, esq., of Oldbridge. Nearer again to Dublin, yet lying more in the direction of Dunshaughlin, is Green Park—the residence of Henry Garnett, esq., who has lately expended a small loan in adding some well-planned and appropriate offices to those already adjoining it, and which are devoted to his extensive farming operations.

In *Wicklow*, I have also to report that the owners of the soil are apparently anxious to improve their possessions by judiciously expending the public money. In proof of this I can mention having inspected, and prepared preliminary papers, &c., for George Booth, esq., of Laragh, Annamoe. Amongst the instances of farm buildings and labourers' dwellings in this county I may mention those of Viscount Powerscourt, some few miles from Enniskerry; and of Robert D. Barry, esq., near Ashford—both of which were well planned and admirably carried out.

In either *Westmeath* or *Wexford* I have as yet had but few opportunities of seeing works on which Board of Works money was expended, yet, in the former county I had the pleasure of inspecting some very nice labourers' cottages on the property of Joseph Tuite, esq., of Sonna; and, in the latter, some well executed drainage, farm roads, and fencing, &c., lately completed for S. A. Richards, esq., of Ardamine, whose application for a further loan—to be similarly expended—also came under my notice.

And now I will close my report, by stating my belief that the working of the Land Improvement Acts in those counties to which I refer has been eminently satisfactory.

RICHARD I. J. IRWIN,
Inspector.

County of Galway, and part of Mayo.

Galway, 29th April, 1870.

In compliance with your instructions, I now beg to submit, for the information of the Board, the following report on the working of the Land Improvement Acts in this district, from the 1st of January, 1869, to this date.

The following is an abstract showing the various classes of work that have been performed and the amount certified as expended in their execution within the above period:

	County of Galway. £	s.	d.	County of Mayo. £	s.	d.
Farm Residences, . .	259	14	10	561	11	5
Labourers' Dwellings, .	873	10	6	330	4	3
Farm Buildings, . .	1,391	4	0	149	6	3
Farm Roads, . .	12	10	6	40	8	6
Drainage, . . .	1,560	18	9	1,629	2	3
Fencing, . . .	727	4	11	46	6	5
Claying, Gravelling, &c.,	168	6	0	—		
Planting for Shelter, .	101	0	0	—		
Clearing Land, . .	300	0	6	26	3	0
Total, . . .	5,394	10	0	2,783	7	1

These works have been generally executed in a very satisfactory manner.

The main and thorough drainage works on the estate of Lord Oranmore, and on that of Captain Sheffield, in the county of Mayo; and on those of Mr. Gregory of Coolpark, Mr. Galbraith of Cappard, and Mr. T. Redington Roche of Ryehill, in the county of Galway, deserve special notice, in consequence of the skilful, workmanlike, and economical manner in which they have been performed.

Six labourers' dwellings have been built on the estate of Captain Daly of Raford, and four on that of Mr. Burtan R. P. Persse of Moyode Castle, in the county of Galway, which have been very economically designed and well executed.

In the class of farm buildings, I may refer to those on the estate of Mr. A. Comyn of Ballinderry, Mr. E. C. Villiers of Beech Hill, and Captain Lambert of Castle Lambert, in the county of Galway, as satisfactory works both in design and execution.

In the clearing of land, which in many parts of this county is very profitable, I have to notice the works performed by Mr. G. E. Burke of Danesfield, Mr. F. L. Comyn of Woodstock, and Mr. Thomas Redington Roche of Ryehill—50 acres of land, which were of little value, have been cleared in those instances, and are now under cultivation, their value having

* The good workman can now earn (at day's work) from *nine* to *twelve shillings* a week.

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been increased from about 5*s.* to 30*s.* per statute acre.

The following works have been executed under the Act of 1866, which empowers loans to be made for such works as the erection and improvement of farm dwelling-houses and planting for shelter :—

Mr. Hartigan has built a very excellent farm dwelling on his estate, near Kinvarra, in this county, at a cost of £400.

Mr. S. Kenny has in course of erection a farm residence on an extensive farm on his estate near Ballinrobe, in the county of Mayo—the loan for which, amounting to £400, he has supplemented by an equal amount from his own resources.

The only instance in which the facility afforded for obtaining loans for planting for shelter has been taken advantage of is in that of Mr. Hodgson of Curraghrevagh, in the county of Galway, who has in progress some extensive works with this object.

Notwithstanding the high price and scarcity of labour, the quantity of work executed during the past year has exceeded considerably that of any previous year—and I have observed that, as experience is acquired, greater attention is paid in the setting out and execution of the works.

I can with much confidence confirm my opinion as to the value of these improvements and the advantages which have resulted from them, both to the proprietors and occupiers immediately interested.

In few, if any, of the cases to which I have referred would the improvements have been made if facilities had not been afforded of obtaining loans for the purpose; and I may add that, without exception, the results have been satisfactory to the proprietors.

SAMUEL U. ROBERTS.

County of Limerick and portions of the adjoining Counties of Clare, Tipperary, Cork, and Kerry.

Offices—40, Upper Cecil-street,
Limerick, 17th March, 1870.

As my first inspections under the Commissioners of Public Works were made so recently as last June, I am unable to furnish any information of an official character for much more than the latter half of the year 1869.

Up to the 31st December I made progress inspections, and reported on works under twenty-six loans.

As a general rule, I have experienced but little difficulty in getting loans carried out in accordance with the approved plans, estimates, and specifications, the Superintendents being anxious to have the works done satisfactorily, and the labourers evincing much more skill in the cutting of drains and filling in of same than could have been found a few years since.

Notwithstanding the increasing value of labour, worth on an average for the past twelve months ten shillings per week, a great desire exists to take advantage of the Land Improvement Acts, especially amongst the tenant farmers, many of whom, until lately, seemed incapable of forming any adequate idea of the reproductive nature of land improvement works, or of the facilities offered by those Acts for effecting permanent improvements.

My observation leads me to the conclusion that loans for thorough drainage and liming, and for farm dwellings, and out-offices, are those which will be most sought after for some time.

I have reason to know that, pending a settlement of what is popularly called the "Land Question," several proprietors are induced to withold intended applications for loans.

WILLIAM SIDNEY COX,
Inspector.

County Kerry and part of Counties Cork and Limerick.

Tralee, January 20, 1870.

Pursuant to your general order I have to report generally on the progress of works under the land improvement loans in my district, during the year 1869.

The amount of my progress bills, returned for Kerry and Cork, is £5,381 2*s* 5*d.*, being £296 less than the return for the year 1868, from which it may be stated that the expenditure is going on at the same rate for the last two years. In the county Limerick the work of enclosing slob land at Castletown, on the Lower Shannon, referred to me, has cost £1,500, but the estimated value is only £1,250.

The gross amount for the three counties is as follows :—

	£	s.	d.	£	s.	d.
Co. Kerry, Land Improvement Works	1,729	12	3			
Building, . .	2,425	7	2			
				4,154	19	5
Co. Cork, Land Improvement, .	882	8	5			
Building, . .	343	14	7			
				1,226	3	0
Co. Limerick, Land Improvement,				1,250	0	0
				£6,581	2	5

There are several borrowers who have stopped their works, and I know a few cases where intended memorials were laid aside in consequence of the agitation of the "land question." It appears that the fear of some legislation injurious to the landed interest has therefore prevented those figures from being much larger, and I have no doubt of it.

The increasing difficulty of getting good labourers is another great drawback and preventative to the full development of the Land Improvement Act, but as yet I have no authentic case to show that any work executed has not paid well even at the disadvantage of scarcity of labour.

HENRY STOKES.

County Cork and part of Waterford.

Cork, 17th February, 1870.

I beg to submit the following report of the working of the Land Improvement Act in my district. I have made preliminary inspections in five cases for drainage and planting, three of which are extensive. In two cases for embankments with sluices and drainage, and in five cases for building farm offices, &c., three of which are extensive.

There are a good many cases of thorough drainage, fencing, planting, and building farm offices and dwellings in progress, which are being executed with very few exceptions in a satisfactory manner. In many cases the scarcity of labour is very much felt, and wages exceedingly high.

Notwithstanding which, I believe the benefits to be derived under the Act are being daily more felt, and owners will, in many more cases, try and avail themselves of them, especially for building, in which labour does not form so very important an item.

J. T. CORNWALL.

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APPENDIX C.

Landed Property Improvement Loans.

APPENDIX C.

LANDED PROPERTY IMPROVEMENT ACTS, 10th Vic., chap. 32, &c.

SCHEDULE—Showing the Loans in progress, the Amount sanctioned and issued by Instalments, with the Date of the last Order to Issue, to 31st March, 1870.

NORTHERN DISTRICT.

County.	Barony.	Applicant.	Amount sanctioned. £ s. d.	Amount issued. £ s. d.	No. of Instalments issued.	Date of last Order to Issue.
ANTRIM,	Antrim, Upper,	Thomas Greg,	300 0 0	60 0 0	1	7 Feb., 1860.
	Antrim, and Lower Massereene,	Viscount Massereene,	2,100 0 0	1,260 0 0	3	8 Mar., 1870.
	Antrim, Lower,	Robert Wardlaw,	885 0 0	175 0 0	1	20 Nov., 1869.
		Ditto,	710 0 0	140 0 0	1	" "
	Belfast, Upper,	The Marquis of Donegall,	350 0 0	210 0 0	3	2 July, "
	Belfast,	Viscount Templetown,	2,300 0 0	920 0 0	2	2 Nov., "
	Carrickfergus,	William D. D. Wilson,	100 0 0	20 0 0	1	18 Nov., "
		Ditto,	400 0 0	80 0 0	1	" "
	Dunluce, Lower,	William Trail,	200 0 0	200 0 0	5	10 Nov., "
LONDONDERRY,	Coleraine,	Sir H. H. Bruce, bart.,	1,000 0 0	200 0 0	1	15 Jan., 1870.
	Coleraine, N. E. Liberties of,	The Rev. John Lyle,	100 0 0	100 0 0	5	10 Dec., 1869.
	Loughinsholin,	Lieut.-Col W. F. L. Conyngham,	1,600 0 0	1,280 0 0	4	10 June, "
	Keenaght,	Mary, Catherine, and Frances Alexander,	400 0 0	80 0 0	1	4 Dec., "
DONEGAL,	Banagh,	William Sinclair,	350 0 0	350 0 0	5	22 Jan., 1869.
		George Cecil Gore Wray,	100 0 0	80 0 0	4	16 Nov., 1868.
	Kilmacrenan,	Alex. J. R. Stewart,	4,000 0 0	500 0 0	1	30 July, "
		Ditto,	1,700 0 0	340 0 0	1	" "
		Ditto,	5,200 0 0	500 0 0	1	" "
		Ditto,	2,500 0 0	500 0 0	1	" "
		Ditto,	1,100 0 0	220 0 0	1	" "
		Ditto,	1,175 0 0	235 0 0	1	28 Feb., 1870.
	Tirhugh,	John Ffolliott,	300 0 0	60 0 0	1	23 April, 1869.
		Thomas Conolly,	1,650 0 0	330 0 0	1	20 Nov., "
FERMANAGH,	Lurg,	John G. Irvine,	1,250 0 0	1,250 0 0	5	3 Sept., 1869.
		Ditto,	900 0 0	540 0 0	3	19 Aug., "
		John C. Bloomfield,	750 0 0	150 0 0	1	8 July, "
		The Rev. Chas. M. Stack,	250 0 0	250 0 0	5	24 June, 1868.
	Magherastephana,	Sir Victor A. Brooke, Bart.,	2,400 0 0	960 0 0	2	5 Sept., 1866.
TYRONE,	Clogher,	Samuel Vesey,	350 0 0	70 0 0	1	8 Jan., 1869.
		The Rev. W. S. Burnside,	100 0 0	80 0 0	4	17 Feb., 1870.
	Dungannon, Upper,	Augustus S. Bolton,	1,600 0 0	640 0 0	2	28 April, 1869.
		Ditto,	400 0 0	240 0 0	3	10 Nov., "
	Dungannon,	John Y. Burges,	500 0 0	300 0 0	3	20 Mar., 1870.
	Dungannon, Middle,	The Earl of Charlemont,	890 0 0	510 0 0	3	22 Mar., "
	Omagh, East, and Clogher,	George P. M'Clintock,	600 0 0	120 0 0	1	1 July, 1869.
	Omagh,	John T. H. Stewart,	500 0 0	100 0 0	1	22 April, 1866.
		Ditto,	500 0 0	100 0 0	1	" "
	Strabane, Lower,	The Rev. James MacIvor,	900 0 0	720 0 0	4	12 Aug., 1868.
	Strabane,	Ditto,	800 0 0	160 0 0	1	8 Oct., 1867.
		The Duke of Abercorn,	7,040 0 0	4,000 0 0	8	8 April, 1869
		Ditto,	3,710 0 0	1,000 0 0	2	1 May, "
		John Wray,	275 0 0	220 0 0	4	6 Nov., "
DOWN,	Castlereagh, Lower,	John Harrison,	2,150 0 0	1,720 0 0	4	11 Mar., 1870.
	Dufferin,	Lord Dufferin and Clandeboy,	650 0 0	520 0 0	4	20 Dec., 1869.
		Ditto,	590 0 0	440 0 0	4	5 Jan., 1870.

MIDLAND AND EASTERN DISTRICT.

County.	Barony.	Applicant.	Amount sanctioned. £ s. d.	Amount issued. £ s. d.	No. of Instalments issued.	Date of last Order to Issue.
CAVAN,	Clonkee,	Mervyn Pratt,	5,000 0 0	2,000 0 0	4	8 Oct., 1868.
		Sir John Young, Bart.,	1,150 0 0	460 0 0	2	6 Sept., 1869.
	Castlerahan,	The Marquis of Headfort,	400 0 0	400 0 0	5	24 June, "
		Ditto,	1,000 0 0	600 0 0	3	16 Feb., 1865.
	Tullygarvey,	The Hon. and Rev. H. O'Brien,	300 0 0	180 0 0	3	29 Jan., 1869.
MONAGHAN,	Monaghan,	Gertrude Rose,	3,000 0 0	1,000 0 0	2	18 May, 1869.
		Ditto,	1,000 0 0	1,000 0 0	5	7 Jan., 1870.
		Ditto,	500 0 0	300 0 0	3	6 Jan., "
		The Rev. W. H. E. Woodwright,	400 0 0	400 0 0	5	24 Feb., "

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(C.) Schedule showing the Loans in progress, the Amount sanctioned, &c.—*continued.*

APPENDIX C.

Landed Property Improvement Loans.

County.	Barony.	Applicant.	Amount sanctioned. £ s. d.	Amount issued. £ s. d.	No. of Instalments issued	Date of last Order to Issue.
LONGFORD,	Ardagh,	The Earl of Longford,	400 0 0	240 0 0	3	31 Mar., 1868.
	Granard & Ardagh,	The Hon. L. H. K. Harman,	2,200 0 0	1,760 0 0	4	16 Nov., 1869.
	Longford,	Ditto,	3,200 0 0	2,500 0 0	5	29 April, 1869.
		Henry S. Douglas,	1,000 0 0	600 0 0	3	3 Nov., „
	Moydow,	William Bond,	200 0 0	160 0 0	4	21 July, 1865.
	Moydow and Shrule,	The Hon. L. H. K. Harman,	1,050 0 0	840 0 0	4	26 Aug., 1869.
	Moydow,	William F. Armstrong,	760 0 0	600 0 0	4	25 Feb., 1870.
		Ditto,	475 0 0	380 0 0	4	20 Dec., 1869.
	Shrule,	Bevan Slator,	150 0 0	120 0 0	4	17 Dec., „
	Shrule & Rathcline,	The Hon. L. H. K. Harman,	555 0 0	110 0 0	1	5 Aug., „
	Shrule, Rathcline, and Moydow,	Ditto,	080 0 0	130 0 0	1	21 Sept., „
LOUTH,	Ardee,	William R. Supple and others,	300 0 0	300 0 0	5	24 June, 1869.
	Dundalk, Lower,	Edward Tipping,	120 0 0	100 0 0	5	27 Mar., „
MEATH,	Deece, Upper,	George Bomford,	500 0 0	400 0 0	4	19 Nov., 1869.
		Ditto,	350 0 0	350 0 0	5	22 Oct., „
	Duleek,	Henry St. George Osborne,	1,000 0 0	300 0 0	5	24 June, „
		Judith and Helen Garnon,	755 0 0	600 0 0	4	25 Feb., 1870.
	Fore,	J. L. Naper,	660 0 0	390 0 0	3	5 April, 1869.
	Fore & Upper Kells,	Robert G. Wade,	1,000 0 0	400 0 0	2	18 Jan., 1870.
		Willoughby Bond,	500 0 0	360 0 0	1	3 Aug., 1869.
	Kells, Lower,	N. H. Dyas,	1,000 0 0	600 0 0	3	1 Nov., „
		The Marquess of Headfort,	2,500 0 0	2,000 0 0	4	21 Sept., „
	Lune,	N. H. Dyas,	940 0 0	180 0 0	1	7 „ „
	Moyfenrath,	Samuel Law,	300 0 0	300 0 0	5	4 June, „
	Ratoath,	Lord Athlumney,	400 0 0	320 0 0	4	8 July, „
		Robert G. Daniell,	135 0 0	125 0 0	5	28 Jan., 1870.
	Skreen,	Lord Athlumney,	150 0 0	150 0 0	5	1 Jan., 1868.
		Ditto,	275 0 0	200 0 0	4	23 Mar., 1869.
	Slane, Upper, and Ferrard,	George C. Smyth,	500 0 0	500 0 0	5	15 Feb., 1870.
	Slane, Upper,	Charles B. Caldwell,	650 0 0	130 0 0	1	13 Jan., „
		Ditto,	400 0 0	80 0 0	1	16 Dec., 1869.
	Slane, Lower,	William E. Smyth,	100 0 0	60 0 0	3	10 Sept., „
WESTMEATH,	Farbill,	The Earl of Longford,	200 0 0	40 0 0	1	22 June, 1865.
		Ditto,	700 0 0	560 0 0	4	12 May, 1869.
	Kells, Lower,	John Arthur Furrell,	300 0 0	180 0 0	3	25 May, „
	Kilkenny, West,	W. H. Gray and John Hodson,	300 0 0	240 0 0	4	19 July, „
		Robert R. Smyth,	200 0 0	200 0 0	5	18 Jan., 1870.
		Ditto,	350 0 0	70 0 0	1	7 Mar., 1868.
	Moygoish,	Joseph Tuite,	1,375 0 0	825 0 0	3	16 Nov., 1869.
	Rathconrath,	Hon. L. H. K. Harman,	3,400 0 0	2,000 0 0	4	30 Dec., „
DUBLIN,	Balrothery, East,	Colonel Thomas E. Taylor,	1,000 0 0	600 0 0	3	28 May, 1870.
	Coolock,	Sir C. C. W. Domville, Bart.,	500 0 0	100 0 0	1	28 Jan., 1869.
		Ditto,	100 0 0	50 0 0	3	21 May, „
		Ditto,	120 0 0	20 0 0	1	8 Oct., „
	Rathdown,	Ditto,	800 0 0	160 0 0	1	22 Feb., „
		William Richardson,	450 0 0	90 0 0	1	8 Nov., „
KILDARE,	Clane and Connell,	George P. L. Mansfield,	3,500 0 0	2,000 0 0	4	2 Nov., 1869.
	Carbury,	Francis E. M'Donnell,	700 0 0	560 0 0	4	1 July, 1868.
	Connell,	North Peat,	500 0 0	200 0 0	2	3 Mar., 1870.
	Ikeathy and Oughterany,	N. J. Gannon,	1,000 0 0	400 0 0	2	17 Feb., 1860.
		Michael Aylmer and others,	150 0 0	150 0 0	5	28 Jan., 1870.
	Kilcullen,	Charles T. C. Roberts,	140 0 0	120 0 0	4	22 „ „
		Ditto,	175 0 0	140 0 0	4	4 „ „
		Robert Law,	300 0 0	180 0 0	3	18 Dec., 1869.
	Kilkea and Moone,	Thomas E. Wakefield,	400 0 0	160 0 0	2	29 Jan., 1870.
	Naas, North,	The Earl of Mayo,	300 0 0	300 0 0	5	25 Nov., 1869.
	Narragh and Reban, East,	John La Touche,	850 0 0	850 0 0	5	24 Mar., 1870.
	Narragh and Reban, West,	Henry William Verschoyle,	1,000 0 0	200 0 0	1	13 June, 1869.
	Narragh and Reban,	The Marquess of Drogheda,	1,000 0 0	200 0 0	1	23 Apr., 1867.
	Offaley, West,	The Rev. W. R. Lowrenson,	750 0 0	750 0 0	5	21 Mar., 1870.
	Salt, North,	Richard W. Hartley,	1,150 0 0	660 0 0	3	25 „ „
KING'S,	Ballybritt,	John Ashton,	200 0 0	200 0 0	5	29 May, 1869.
	Philipstown, Lower	William H. Walsh,	750 0 0	600 0 0	4	31 Aug., 1868.

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APPENDIX C.

Landed Property Improvement Loans.

(C.) Schedule showing the Loans in progress, the Amount sanctioned, &c.—*continued.*

County.	Barony.	Applicant.	Amount sanctioned. £ s. d.	Amount issued. £ s. d.	No. of Instalments issued.	Date of last Order to Issue.
QUEEN'S,	Ballyadams,	Robert F. Saundars,	250 0 0	50 0 0	1	5 July, 1869.
	Cullenagh,	Robert G. Cosby,	5,350 0 0	4,500 0 0	9	2 Dec., "
	Clarmallagh,	Robert Staples,	370 0 0	210 0 0	3	6 Oct., "
		Ditto,	530 0 0	210 0 0	2	9 Nov., "
	Maryborough, West	Valentine Ryan,	850 0 0	170 0 0	1	22 Oct., "
		Thomas A. Bailey,	2,000 0 0	1,200 0 0	3	26 Feb., "
	Maryborough, West, and Stradbally,	Sir Allen J. Walsh,	800 0 0	480 0 0	3	13 Dec., 1868.
	Maryborough, East,	Thomas Kemmis,	350 0 0	350 0 0	5	9 Nov., 1869.
		The Rev. Arthur Moore,	400 0 0	80 0 0	1	20 Dec., "
	Stradbally,	Sir Allen J. Walsh,	640 0 0	120 0 0	1	30 Nov., "
		The Earl of Portarlington,	1,050 0 0	630 0 0	3	7 Dec., "
		Robert G. Cosby,	2,500 0 0	1,000 0 0	2	3 Jan., 1870.
	Slievemargy,	John G. Adair,	1,500 0 0	1,200 0 0	4	14 April, 1866.
	Tinnahinch,	Henry A. R. Pigott,	1,000 0 0	320 0 0	1	26 May, 1869.
WICKLOW,	Arklow,	The Earl of Wicklow,	450 0 0	270 0 0	3	11 Aug., 1868.
	Ballincor, North, and Newcastle,	Lady Louisa Esmond and Sir John Esmond, bart.,	920 0 0	180 0 0	1	21 Dec., 1869.
	Naas, South,	Edward Hornidge,	250 0 0	200 0 0	4	6 Oct., 1864.
	Newcastle,	Robert D. Barry,	100 0 0	100 0 0	5	13 Dec., 1866.
CARLOW,	Forth,	The Rev. J. Bonham,	600 0 0	300 0 0	6	4 Feb., 1870.
	Idrone, East,	Denis W. P. Beresford,	840 0 0	600 0 0	5	22 April, 1868.
		Henry Bruen,	1,900 0 0	1,140 0 0	3	17 June, 1869.
KILKENNY,	Galmoy,	Arthur W. Mosse,	850 0 0	680 0 0	4	5 July, 1869.
	Ida,	Henry Gahan and others,	500 0 0	300 0 0	3	1 Nov., 1864.
		Alfred Gahan and others,	500 0 0	300 0 0	3	" "
	Knocktopher,	Sir James Langrishe, bart.,	600 0 0	360 0 0	3	9 Oct., 1866.
WEXFORD,	Ballaghkeen and Gorey,	Solomon A. Richards,	400 0 0	90 0 0	1	4 Dec., 1869.
	Ballaghkeen,	Ditto,	400 0 0	80 0 0	1	7 Mar., 1870.
	Forth,	A. J. Howlin and another,	300 0 0	180 0 0	3	23 Dec., 1868.
	Forth and Scarawalsh,	R. W. Hall Dare,	550 0 0	330 0 0	3	15 Jan., 1870.
	Gorey,	William Kennedy,	100 0 0	20 0 0	1	6 Jan., 1869.
	Shelmaliere, West, and Bargy,	Francis A. Leigh,	700 0 0	560 0 0	4	11 Aug., 1868.
	Shelburne,	Charles Tottenham,	1,000 0 0	200 0 0	1	27 Jan., 1869.
		Lord Templemore,	1,000 0 0	800 0 0	4	12 Jan., 1870.
	Scarawalsh,	Viscount Monck,	700 0 0	140 0 0	1	21 Aug., 1863.

WESTERN DISTRICT.

SLIGO,	Carbury,	Gerald Fitzgerald, Committee of the estate of R. C. Walker,	300 0 0	60 0 0	1	14 Mar., 1870.
	Coolavin,	Abram Powell,	150 0 0	90 0 0	3	31 Mar., 1866.
	Tireragh,	J. W. Stratford,	600 0 0	240 0 0	2	21 Oct., 1868.
		Robert Orme,	500 0 0	200 0 0	2	13 Sept., 1869.
		Ditto,	700 0 0	420 0 0	3	11 Sept., "
		Ditto,	250 0 0	50 0 0	1	15 Mar., 1870.
		Charles Tottenham,	350 0 0	210 0 0	3	13 Jan., "
		Ditto,	400 0 0	100 0 0	2	22 Jan., "
		R. G. Brinkley,	1,000 0 0	800 0 0	4	8 Nov., 1866.
		Sir Malby Crofton, bart.,	600 0 0	480 0 0	4	4 Aug., "
		Richard Phibbs,	400 0 0	320 0 0	4	24 Aug., 1867.
	Tirerrill,	Hugh M'Ternan,	225 0 0	135 0 0	6	4 Sept., 1869.
		John Elliott,	700 0 0	140 0 0	1	25 Jan., "
		Robert Thompson,	450 0 0	90 0 0	1	22 Nov., "
	Carrigallen,	The Rev. James Godley,	600 0 0	360 0 0	3	17 June, 1868.
		John A. La Touche,	700 0 0	140 0 0	1	2 June, 1869.
		Ditto,	175 0 0	140 0 0	4	8 Nov., "
	Drumahaire,	Colonel J. J. Whyte,	2,000 0 0	1,600 0 0	4	14 Oct., "
		The Rev. W. M. Wilkins,	650 0 0	350 0 0	5	31 Oct., 1867.
	Leitrim,	The Earl of Albemarle,	1,500 0 0	900 0 0	3	30 April, 1869.
		William R. La Touche,	600 0 0	360 0 0	3	21 April, "
		Joseph Keon,	175 0 0	100 0 0	3	4 Feb., 1870.
		Charles R. Peyton,	450 0 0	180 0 0	2	7 April, 1869.
		William Hamilton,	145 0 0	25 0 0	1	26 Feb., 1870.
	Mohill,	Hugh O'Beirne,	2,000 0 0	800 0 0	2	8 Mar., 1869.

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(C.) Schedule showing the Loans in progress, the Amount sanctioned, &c.—*continued.*

APPENDIX C.

Landed Property Improvement Loans.

County.	Barony.	Applicant.	Amount sanctioned. £	s.	d.	Amount issued. £	s.	d.	No. of Instalments issued.	Date of last Order to Issue.
Mayo,	Carra,	The National Building Company,	2,500	0	0	2,000	0	0	4	30 Aug., 1869.
		Ditto,	500	0	0	300	0	0	3	" "
	Clanmorris,	A. C. Lambert,	100	0	0	60	0	0	3	10 Mar., 1870.
		Lord Oranmore,	5,000	0	0	3,000	0	0	6	3 Mar., "
		A. C. Lambert,	120	0	0	20	0	0	1	1 Aug., 1868.
		Ditto,	420	0	0	240	0	0	3	19 May, 1869.
		Ditto,	240	0	0	200	0	0	5	21 May, "
		Dominick E. Browne,	400	0	0	80	0	0	1	1 Sept., 1868.
	Erris,	John Carey,	700	0	0	280	0	0	2	17 Nov., 1869.
	Gallen,	George Orme Malley,	100	0	0	80	0	0	4	8 Dec., 1868.
		Ditto,	100	0	0	20	0	0	1	27 Jan., 1869.
	Kilmaine,	Stanhope Kenny,	400	0	0	400	0	0	5	14 Feb., 1870.
		Robert Staples,	1,000	0	0	200	0	0	1	22 Mar., "
		Ditto,	850	0	0	350	0	0	5	18 Dec., 1868.
		Ditto,	450	0	0	300	0	0	4	11 Feb., 1869.
Roscommon,	Athlone,	John H. Dillon,	850	0	0	510	0	0	3	16 Oct., 1867.
		John W. Mitchell,	170	0	0	105	0	0	3	13 May, 1869.
		The late Lord Crofton,	250	0	0	50	0	0	1	20 Sept., "
	Ballintubber,	John W. Flanagan,	850	0	0	510	0	0	3	11 April, 1867.
	Ballintubber, North,	William R. Tredennick,	1,030	0	0	800	0	0	4	11 Oct., "
	Ballintober, South,	The Rev. Sir H. J. Gunning,	450	0	0	220	0	0	3	23 July, 1869.
		Denis O'Connor,	500	0	0	500	0	0	5	9 Mar., 1870.
	Ballintober, North, and Roscommon,	Henry S. P. Mahon,	550	0	0	550	0	0	5	7 May, 1869.
	Ballintober, South,	Ditto,	200	0	0	200	0	0	5	11 Mar., "
	Ballymoe,	Patrick H. O'Connor,	800	0	0	321	0	0	2	20 Aug., 1868.
		Charles R. Chichester,	1,000	0	0	1,000	0	0	5	1 Oct., 1869.
		Ditto,	2,000	0	0	2,000	0	0	5	9 Mar., 1870.
		Ditto,	2,250	0	0	1,350	0	0	3	4 Mar., "
		Henry T. Ferrall,	220	0	0	40	0	0	1	21 Feb., "
	Castlereagh,	H. B. Brabazon,	400	0	0	80	0	0	1	24 Sept., 1869.
		Travers R. Blackley,	270	0	0	50	0	0	1	18 Nov., "
		The O'Conor Don,	600	0	0	240	0	0	2	27 Feb., "
	Frenchpark,	Henry T. Ferrall,	380	0	0	75	0	0	1	26 Feb., 1870.
	Roscommon,	John C. Coote,	245	0	0	45	0	0	1	8 Oct., 1869.
		H. S. P. Mahon,	750	0	0	750	0	0	5	10 June, 1868.
Galway,	Athenry,	Thomas R. Roche,	850	0	0	850	0	0	5	4 Aug., 1866.
		John A. Daly,	200	0	0	120	0	0	3	20 Oct., 1868.
		John H. Blake,	300	0	0	60	0	0	1	28 Dec., 1869.
		Ditto,	1,000	0	0	806	0	0	4	29 June, "
	Ballymoe,	John L. Bagot,	1,000	0	0	1,006	0	0	5	31 Mar., "
		Daniel O'Connell Fitzgerald,	100	0	0	100	0	0	5	3 Feb., "
		Charles D. O'Rorke,	500	0	0	100	0	0	1	30 Oct., 1868.
		St. George Caulfield,	600	0	0	360	0	0	3	28 Sept., 1869.
	Clare,	Thomas Eyre Lambert,	950	0	0	380	0	0	2	26 Oct., "
		Ditto,	750	0	0	450	0	0	3	16 Sept., "
		Denis Kirwan,	300	0	0	60	0	0	1	28 April, "
	Galway,	Valentine and Sir T. E. Blake, Bart.,	220	0	0	120	0	0	3	19 Feb., 1870.
		Francis L. Comyn,	250	0	0	100	0	0	2	20 Mar., 1868.
	Kiltartan,	Anne Harriett Digby,	200	0	0	120	0	0	3	8 Jan., 1870.
		The Rev. Sir W. R. Mahon, Bart.,	250	0	0	50	0	0	1	30 Aug., 1866.
	Kiltartan and Clonmacnoon,	Ditto,	720	0	0	140	0	0	1	8 Oct., "
	Kiltartan,	Robert R. Smyth,	320	0	0	60	0	0	1	13 Jan., 1870.
	Kiltartan,	Elizabeth Gregory,	180	0	0	120	0	0	4	30 April, 1869.
	Kilconnell,	Elizabeth C. Lynch,	500	0	0	100	0	0	1	23 Feb., 1870.
	Kiltartan,	John W. H. Lambert,	1,600	0	0	1,280	0	0	4	22 Mar., 1866.
	Loughrea,	James Galbraith,	1,000	0	0	800	0	0	4	4 Nov., 1869.
	Longford,	Stephen J. Cowan,	300	0	0	60	0	0	1	25 Feb., 1870.
	Moycullen,	George E. Burke,	450	0	0	450	0	0	5	20 Aug., 1869.
		Henry Hodson,	1,200	0	0	720	0	0	3	4 Sept., 1868.
		Ditto,	675	0	0	135	0	0	1	3 Feb., 1869.
		Ditto,	600	0	0	120	0	0	1	3 Mar., "
		George E. Burke,	550	0	0	220	0	0	2	14 Oct., "
		Matthew Kenny,	660	0	0	120	0	0	1	29 June, "
	Tiaquin,	James D'Arcy,	200	0	0	120	0	0	3	20 Oct., 1868.
Clare,	Bunratty, Upper,	Pierce O'Brien,	245	0	0	90	0	0	2	5 Mar., 1870.
		John C. Delmege,	300	0	0	180	0	0	3	9 July, 1869.
	Bunratty, Lower, and Tulla, Lower,	John Gabbett,	500	0	0	200	0	0	2	21 Aug., "
	Corcomroe,	James Shannon,	600	0	0	360	0	0	3	13 Jan., 1870.
	Inchiquin,	Jonas Studdert,	200	0	0	80	0	0	2	8 " 1869.
	Moyarta,	Richard B. Stiles,	206	0	0	160	0	0	4	16 July, 1869.
	Tulla, Lower,	Carrol J. Naish,	225	0	0	80	0	0	2	25 Aug., "

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APPENDIX C.

Landed Property Improvement Loans.

(C.) Schedule showing the Loans in progress, the Amount sanctioned, &c.—*continued.*

SOUTHERN DISTRICT.

County.	Barony.	Applicant.	Amount sanctioned. £	s.	d.	Amount issued. £	s.	d.	No. of Instalments issued.	Date of last Order to Issue.
LIMERICK,	Connelloe, Upper,	John Bateson,	600	0	0	240	0	0	2	10 Feb., 1866.
		Right Hon. William Monsell,	300	0	0	120	0	0	2	10 Sept., 1868.
		Henry F. Synan,	200	0	0	120	0	0	3	24 June, 1869.
		Ormsby and Elizabeth Cox,	400	0	0	240	0	0	3	8 Feb., 1870.
	Connelloe, Lower,	Henry A. R. Pigott,	4,080	0	0	500	0	0	1	18 Nov., 1869.
	Connelloe, Lower, and Glenquin,	Edward William O'Brien,	500	0	0	300	0	0	3	24 June, "
	Connelloe, Lower,	Patrick T. Hartigan,	1,000	0	0	200	0	0	1	10 Jan., 1870.
		Thomas Royse,	525	0	0	525	0	0	0	20 " 1869.
	Clanwilliam,	Lieutenant-Colonel E. T. Gloster,	250	0	0	150	0	0	3	17 Aug., 1867.
		Sir Capel Molyneux, Bart.,	3,100	0	0	3,000	0	0	12	5 Aug., 1869.
		Croker Barrington,	350	0	0	280	0	0	4	10 " "
		Daniel F. Gabbett,	350	0	0	210	0	0	3	27 Nov., "
		Richard J. Gabbett,	300	0	0	180	0	0	3	4 Mar., 1870.
	Coshlea,	Vesey T. Bunbury,	150	0	0	90	0	0	3	22 Feb., 1866.
		Hugh Massy,	200	0	0	200	0	0	5	28 Jan., 1869.
		Henry Mannsell,	120	0	0	80	0	0	4	4 Dec., "
	Coshma,	William Roche,	800	0	0	160	0	0	1	20 Sept., 1867.
		The Earl of Cork and Orrery,	240	0	0	160	0	0	4	19 Mar., 1870.
	Coshma, Upper Connelloe, Kenry, and Pubblebrien,	Ditto,	5,450	0	0	2,500	0	0	5	5 Jan., 1870.
	Kenry,	The Rev. J. T. Waller,	7,500	0	0	2,500	0	0	5	22 Mar., "
	Kilmallock,	Elystou E Evans,	2,800	0	0	800	0	0	2	28 July, 1869.
	Owneybeg,	Lord Cloncurry,	350	0	0	210	0	0	3	31 Mar., "
	Shanid,	The Guardians of Lord Monteagle,	500	0	0	400	0	0	4	17 April, 1868.
		Charles P. Roche,	100	0	0	100	0	0	5	28 July, 1869.
		Thomas R. Roche,	1,000	0	0	700	0	0	2	14 Oct., "
	Shanid, and Connelloe, Upper,	Edward William O'Brien,	1,400	0	0	560	0	0	2	11 Sept., "
	Shanid,	The Rev. T. W. Peile,	1,000	0	0	600	0	0	3	16 July, 1867.
	Shanid, and Connelloe, Lower,	John C. Delmege,	1,250	0	0	500	0	0	2	5 Feb., 1869.
		Ditto,	1,000	0	0	600	0	0	3	2 Oct., "
	Small County,	Major George Gavin,	205	0	0	50	0	0	1	31 Jan., 1870.
TIPPERARY,	Iffa and Offa, East,	William Shaw,	600	0	0	240	0	0	2	30 Sept., 1869.
	Clanwilliam,	Robert M. Craig,	300	0	0	240	0	0	4	22 Mar., 1870.
	Kilnemanagh, Upper	John W. Cooke,	100	0	0	20	0	0	1	15 Dec., 1869.
		Edward M. Armstrong,	1,600	0	0	960	0	0	3	2 Dec., "
	Ormond, Upper,	Robert C. Bowen,	900	0	0	540	0	0	3	17 Feb., 1870.
		The Trustees of Lord Dunalley,	500	0	0	200	0	0	2	24 Mar., "
	Ormond, Lower,	John Farrel,	500	0	0	500	0	0	5	19 Feb., "
		Henry Dwyer,	350	0	0	350	0	0	5	3 " 1869.
	Owney and Arra,	Edward J. P. Lalor,	1,000	0	0	1,000	0	0	5	22 " 1870.
	Shevenamanagh, Upper,	John W. Cooke,	100	0	0	80	0	0	5	5 Mar., "
CORK,	Carbery, West, (W.D.)	Michael H. Morris,	150	0	0	150	0	0	5	9 Mar., 1870.
		Robert Swanton,	150	0	0	90	0	0	2	3 " 1869.
		Elizabeth M. Taylor,	340	0	0	180	0	0	3	28 Jan., 1870.
		James H. Swanton,	1,200	0	0	1,200	0	0	5	9 Nov., 1868.
		Timothy M'Downing,	1,000	0	0	600	0	0	3	3 Sept., 1864.
	Carbery, East (W.D.)	Henry J. Hungerford,	250	0	0	250	0	0	5	19 Nov., 1869.
		Ditto,	100	0	0	20	0	0	1	22 Mar., 1870.
	Carbery, East (W.D.) and Kinalea,	The Earl of Bandon,	550	0	0	220	0	0	2	5 " "
	Condons and Clangibbon,	Henry L. Young,	420	0	0	160	0	0	2	9 Dec., 1869.
	Duhallow,	Sir George C. Colthurst, bart.,	1,000	0	0	1,000	0	0	5	8 Mar., "
		The Earl of Cork and Orrery,	200	0	0	200	0	0	5	23 June, 1868.
		Ditto,	150	0	0	150	0	0	5	9 Sept., 1867.
		B. W. Purdon,	350	0	0	140	0	0	2	0 April, 1868.
		Sir George C. Colthurst, bart.,	2,000	0	0	800	0	0	2	12 Feb., "
		Ditto,	900	0	0	540	0	0	3	16 Feb., 1869.
		Ditto,	650	0	0	260	0	0	2	15 Feb., "
		Daniel C. Bastable,	220	0	0	100	0	0	4	19 Mar., 1870.
		Carobne M. Nash,	250	0	0	200	0	0	4	18 Oct., 1869.
		Arthur Langford,	550	0	0	440	0	0	4	21 Feb., 1870.
		Ditto,	650	0	0	130	0	0	1	1 July, 1869.
		Richard Smith,	400	0	0	80	0	0	1	7 Aug., "
		William Collins,	100	0	0	20	0	0	1	31 Dec., "
	Imokilly,	C. W. T. Ponsonby,	2,000	0	0	1,200	0	0	3	22 Feb., 1870.
		Edmond S. Coppinger,	350	0	0	140	0	0	2	1 Dec., 1864.
	Kinalmeaky and East Carbery,	The Earl of Bandon,	940	0	0	180	0	0	1	9 Mar., 1870.
	Kinnatalloon and Imokilly,	Richard U. Bayley,	1,150	0	0	460	0	0	2	26 Oct., 1869.
	Kinalea,	Thomas B Herrick,	403	0	0	240	0	0	3	2 Feb., "
	Kinsale,	The Hon. G. S. Gough,	240	0	0	240	0	0	5	11 Feb., "
	Muskerry, East,	Sir G. C. Colthurst, bart.,	2,000	0	0	2,000	0	0	5	5 Sept., 1868.

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(C.) Schedule showing the Loans in progress, the Amount sanctioned, &c.—*continued.*

APPENDIX C.

Landed Property Improvement Loans.

County.	Barony.	Applicant.	Amount sanctioned. £	s.	d.	Amount issued. £	s.	d.	No. of Instalments issued.	Date of last Order to issue.
CORK—*con.*	Muskerry, East,	John D. Hawkes,	500	0	0	200	0	0	2	15 Mar., 1869.
	Muskerry, West,	Wallis Adams,	520	0	0	200	0	0	2	13 Feb., "
		Ditto,	700	0	0	280	0	0	2	18 Mar., "
	Orrery and Kilmore,	The Rev. R. Gibbings,	350	0	0	210	0	0	3	6 April, "
		Ditto,	250	0	0	250	0	0	5	1 Feb., 1870.
		Charles F. Harding,	400	0	0	400	0	0	5	5 Feb., 1860.
WATERFORD,	Coshmore and Coshbride,	Sir R. Musgrave, bart.,	600	0	0	600	0	0	5	2 Nov., 1869.
		Ditto,	200	0	0	40	0	0	1	13 June, "
		Ditto,	500	0	0	300	0	0	3	0 Jan., 1870.
	Decies without Drum,	Sir John N. Humble, bart.,	300	0	0	60	0	0	1	24 Aug., 1868.
		George Fitzmaurice,	340	0	0	105	0	0	3	15 Feb., "
	Decies without Drum & Upper Third.	The President and Fellows of the King and Queen's College of Physicians in Ireland,	2,000	0	0	1,200	0	0	3	17 Aug, 1860.
KERRY,	Clanmaurice,	W. T. Crosbie,	350	0	0	350	0	0	5	25 Nov., 1869.
		Wilson Gun,	550	0	0	330	0	0	3	20 Dec., 1869.
		Alexander Elliott,	250	0	0	50	0	0	1	31 July, 1868.
	Corkaguiney and Trughanacmy,	Samuel M. Hussey,	400	0	0	240	0	0	3	13 May, 1860.
	Corkaguiny,	Lord Ventry,	700	0	0	140	0	0	1	20 Jan., 1870.
	Dunkerron, South,	Francis C. Bland,	1,050	0	0	1,170	0	0	3	2 July, 1868.
		Richard Mahony,	440	0	0	400	0	0	5	18 Mar., 1870.
		Ditto,	1,200	0	0	720	0	0	3	22 Oct., 1860.
		Francis C. Bland,	250	0	0	250	0	0	5	27 Nov., 1860.
		Daniel O'Connell,	400	0	0	100	0	0	2	24 Feb., 1870.
		Thomas K. Sullivan,	500	0	0	300	0	0	3	28 Mar., 1870.
		Ditto,	400	0	0	320	0	0	4	16 Feb., 1870.
	Glenarought and Magunihy,	Francis H. Downing,	300	0	0	240	0	0	4	2 April, 1860.
	Iraghticonnor,	Wilson Gun,	5,000	0	0	500	0	0	1	0 Nov., 1868.
		Stephen E. Collis,	100	0	0	100	0	0	5	6 Oct., 1860.
		Robert Leslie,	600	0	0	120	0	0	1	23 June, 1869.
		Edward K. Supple,	600	0	0	120	0	0	1	17 Dec., 1860.
		William C. Hickie,	600	0	0	575	0	0	5	26 Dec., 1868.
		Thomas Sandes,	1,300	0	0	888	0	0	4	23 Jan., 1869.
	Iveragh,	James M'Gill Magill,	330	0	0	300	0	0	5	28 Sept., 1860.
		James Butler,	550	0	0	330	0	0	3	29 Nov., 1869.
		The Knight of Kerry,	4,000	0	0	500	0	0	1	26 May, 1868.
		Ditto,	1,400	0	0	500	0	0	2	2 Oct., 1869.
		James Butler,	675	0	0	270	0	0	2	20 Nov., 1869.
		John Leahy,	450	0	0	90	0	0	1	23 April, 1860.
	Magunihy,	Viscount Castlerosse,	1,000	0	0	1,000	0	0	5	10 June, 1869.
		Ditto,	3,000	0	0	2,500	0	0	5	22 Nov., 1860.
	Magunihy and Trughanacmy,	Francis B. Chute,	2,450	0	0	400	0	0	1	17 June, "
		John F. Godley,	375	0	0	300	0	0	4	22 Oct., "
	Trughanacmy,	Ditto,	1,700	0	0	340	0	0	1	6 July, "
		Samuel M. Hussey,	200	0	0	80	0	0	2	30 Nov., 1867.
		Mary Anne Walker,	2,000	0	0	400	0	0	1	8 Oct., 1860.
		Francis A. Chute and another,	100	0	0	100	0	0	5	15 Aug., 1868.
		Robert C. Hickson,	400	0	0	320	0	0	4	9 Sept., 1869.
		Langford Rae,	800	0	0	640	0	0	4	31 Jan., 1870.

By order,

E. HORNSBY, *Secretary.*

Office of Public Works, Dublin,
1870.

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APPENDIX D.

APPENDIX D.

INLAND NAVIGATIONS AND HARBOURS.

Report of Mr. Robt. Adams, Inspector.

REPORT of Mr. ROBERT ADAMS, INSPECTOR, on the STATE of the TYRONE NAVIGATION. For the year ending 31st of March, 1870.

Coalisland, 21st January, 1870.

SIR,—This navigation has been maintained in good order during the past year, notwithstanding that many of the lock gates have been a long time in use, and consequently very much worn.

No new works have been undertaken during the past year, those executed being merely the works of repair incidental to the maintenance of the Canal, viz.:—The pinning and pointing 490 superficial yards of the quay walls, on the north and south sides of the basin, and the removal of about one thousand cubic yards of silt and mud out of it; the repairs of Nos. 1, 2, and 3 lock gates; the scraping, cleaning, and coating the entire lock gates with tar; the repairs of the towing-path (which is also a turnpike-road) and canal banks; the surface of the wharf and quay was coated with broken limestone and carefully attended to; fifty lineal perches of the canal bank (7th level) was raised; and the lock-keepers' houses lime-whitened.

I regret to have again to report, that the removal of the weed, *anacharis alsinastrum*, from the canal, still continues a source of considerable expense.

I have the honour to be, Sir,

Your most obedient servant,

ROBERT ADAMS.

The Secretary, Board of Public Works.

Report of Mr. Robert Manning, M. Inst. C.E.

EXTRACTS from REPORT of Mr. ROBERT MANNING, M. INST. C.E., on PIERS and HARBOURS. For the year ending 31st of March, 1870.

April 8, 1870.

In making my report on the several piers and harbours under the charge of the Board, I beg to observe that the storms of last winter were unusually severe, and have caused considerable damage to those works which, having been constructed to afford protection from the sea, are consequently exposed to the full force and violence of its waves.

At the royal harbours of Kingstown, Howth, Donaghadee, and Dunmore, damages to the sea-walls are reported, as well as at the fishery piers of Kilkeel, Kilmore, Passage, and Spiddle.

Kingstown Harbour, County of Dublin.

With the exception of the dredging operations, the works executed are those of ordinary maintenance and repair, ballasting vessels, &c., &c., which have been described in former reports, and to which it is not now necessary to make any special allusion.

The dredging of the deposit opposite the Victoria Wharf was commenced on the 2nd February. The material, being mud, was not suitable for ballast, and was removed in waggons to Glasthule quarry.

In my estimate for the ensuing year, provision has been made for the plant necessary for the removal of the dredged stuff.

The storm of last February damaged the sea slopes of both the east and west piers, and the inner wall of the latter. Part of the ashlar wall, back of the west pier head, and near its junction with the paved slope, also received damage. This has been made good, and a large quantity of very heavy stones has been disposed in the form of a rough slope at the face of the wall.

Howth Harbour, County of Dublin.

The works executed at this harbour consisted of the usual maintenance, and the excavation of rock in the bed of the harbour. The winter gales disturbed some of the pavement of the east pier, which is being replaced in a permanent manner.

Donaghadee Harbour, County of Down.

During the past year, in addition to the ordinary works of maintenance, 207 square yards of pavement have been set on the sea slopes of the north and south piers. A quantity of 200 cubic yards of large stone has been quarried and placed at the toe of the sea pavement.

During the gales of the 13th and 14th of February last, about 170 square yards of the pavement of the north pier was displaced. It is now in progress of repair.

Dunmore Harbour, County Cork.

A quantity of 2,800 cubic yards of rubble stone were deposited at the toe of the slope of east pier and round pier head. A gap made in the pavement of the storm wall has been made good with 84 cubic yards of cut stone and rubble, and a quantity of 200 super. yards of wharf pavement has been re-set.

A very heavy gale of wind occurred on the 30th of December last, which carried a large quantity of the rubble stone from the toe of the slope round to the pier head, and damaged the pavement of the sea slope. I have made a special report to the Board on the injury caused by this storm.

Lady Elizabeth's Cove Pier.

The works at this pier have been nearly completed, and the damage done to the works by the winter gales has been repaired.

Liebgarrow Boat-slip, Aran Island, County Donegal.

Mr. Charley reports that 190 feet in length of the slip has been finished since December last, and that the work has withstood the severe storms of last winter without any injury whatever.

Bantry Pier.

The Clerk of Works reports that all the walls of the pier have now been finished, also the coping of the wharf and the parapet. The mooring posts have also been fixed, and the filling has been completed. Materials have still to be provided for the surface pavement of the wharf.

Passage East, Waterford.

The works at this place consist of the clearing out of the present dock; the construction of a rubble stone groin, to prevent the dock being again filled with sand and shingle; and the extension of the present wharf, the stones for which are being quarried and dressed.

Kilkeel Pier, County of Down.

The works of this pier, which were nearly completed in November last, received serious damage from the storm which occurred on the 28th of December. The pier has been sufficiently secured to prevent increased damage, and the injury sustained will be repaired permanently in the month of May next, when the weather becomes settled.

The works for which an additional grant has been obtained are now being proceeded with, and the progress is satisfactory.

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Report of Mr. Robert Manning, M. Inst. C.E.

Errislannan Boat Harbour, near Cliflen, County Galway.

The works remaining to be executed are 380 cubic yards of stone and gravel filling in the quay, and 179 lineal feet of back-wall to be raised 2 ft. 6 in. high.

Ballycastle Boat-slip, County Antrim.

The slip has been completed. The improvement of the entrance by the excavation of rock has still to be done, but no authority for proceeding with this latter work has yet been given.

Kilmore Pier, County Wexford.

This pier suffered severely from the winter's storms. A sum of money having been provided for temporary repairs, the most vulnerable parts have been made good. I have reported to the Board the quantity and cost of the work which will be necessary to place this pier in a safe state.

Cliflen Quay, County of Galway.

This work has been completed, and is under award.

Spiddle Pier, County of Galway.

The works at this pier are approaching completion. They are now delayed by the labourers leaving to attend to their farms, which will occupy them till the latter end of April.

During the December gales, the end of the pier wall, for a length of 10 feet, and 40 feet in length of pavement on sea slope, were washed away.

ROBERT MANNING, M. INST. C.E.

The Secretary, Board of Public Works, Dublin.

REPORT of Mr. JOHN S. MASON, C.E., Engineer in charge of ULSTER CANAL. For the year ending 31st March, 1870.

Report of Mr. J. S. Mason, Engineer.

Monaghan, 1st April, 1870.

SIR,—I beg to submit the following report on the works and repairs of the Ulster Canal during the past year:—

The works have been maintained in good order. Repairing and keeping up the fences, embankments, and towing-paths, and a supply of water at all seasons of the year is only required to open the canal for traffic.

The legal steps necessary for acquiring land for the proposed extension of the reservoir at Quiglough still delay the advancement of the works contemplated for securing a better supply of water from the river Blackwater, and storing a larger quantity during floods. On the 25th January ult., an arbitration meeting was held here for the purpose of hearing the claims of persons interested in the lands required for the proposed works, when some extraordinary estimates of injury and value were given in evidence. Although portions of the land are poor and waste, it was all represented as some of the best in the county. The matter is still under the arbitrator's consideration, and awaits his award.

The works of maintenance and state of repair are described in the following divisions:

1.—*Charlemont to Caledon—14 miles.*

The works in this division required little repair, and the canal was available for traffic the greater part of the year. The upper sluice-frames of the first lock were renewed, and the water wing-walls of the several bridges and locks repaired and pointed with cement. A portion of land at Tullykeevan is being fenced; and in the summer time puddle-trenches were sunk in Quinn's embankment where leakages were observed. The portion of canal between the third and sixth locks was formed over an open-jointed limestone rock, where leakages are frequent and give much trouble in finding the places. The fence and towing-paths have been kept in repair, with other minor works of maintenance.

2.—*Caledon to Monaghan—11 miles.*

Only minor works of repair were required: renewing a portion of the sheeting of the long gates of the ninth lock; removing mud from towing-paths in places, which was taken out of the canal in the previous year; repairing and cementing the joints of the several water wing-walls of locks and bridges; painting lock-gate beams, and puddling leakages in embankments. Near Martin's bridge one of the high embankments showed a slight indication of slipping, when the puddle was renewed and further injury prevented. A new fence was made at Killyneil, at the top of a side-long cutting, on the application of the adjoining occupier; between the 11th and 16th locks the mud was cleared out from the bottom of the canal; the wood work of the Caledon store and the beams of the lock-gates were painted, and the towing-paths were gravelled and kept in good repair. This portion of the canal has been used for traffic during the winter months.

3.—*Monaghan to Smithborough—8 miles.*

This division continued in good repair; the puddle banks were renewed in a few places, and, to prevent injury by flooding, the weeds have been removed where they obstructed the canal. The water wing-walls of the several bridges were repaired, and the towing-paths and fences maintained in good order. The fences of the feeder from Quiglough were completed where required. Borings were made in the site of the proposed embankment to ascertain the depth of a good foundation, and detailed surveys have been made of the lands required for reservoir and head-feeder.

4.—*Smithborough to Clones—6 miles.*

A considerable loss of water was observed on the reach between the 22nd and 23rd locks, and having been traced to the bottom of the canal, it was found necessary to puddle a portion where it passed through a gravel formation, and a quantity of clay was boated to the place for the purpose. The puddle slopes have been renewed in some of the embankments. At Legashill the embankment settled down, and required to be raised a second time. The water wing-walls of the several bridges and locks were repaired, and some of the lock-beams painted. The towing-paths, fences, and other works are in good order.

5.—*Clones to Lough Erne—7 miles.*

During the summer months the bottom of the canal was cleared of mud and obstructions for the entire length of the division. Near the 25th lock the canal passes over an open-jointed rock formation, where holes opening in the bottom are of frequent occurrence, causing a great loss of water; and a stop plank groove will be built convenient to this place, so that repairs, when required, may be immediately made; and stones have been quarried and prepared for building this summer. The embankments continuing to be leaky were further puddled in places. Until such time as the reaches in this division shall be constantly supplied with water, the embankments will not be staunch, as the puddle clay is injured by exposure to the air and sun when they cannot be kept full. Some slips in the slope of the canal next the towing-path were repaired, and the towing-paths, being partly used as farm cart-roads, have been repaired, with other minor works of

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APPENDIX D.

Report of Mr. J. S. Mason, Engineer.

maintenance. At the crossing of the Clones and Cavan Railway, the company left their work, as regards the canal, unfinished, and the water-way for boats passing requires to be improved by widening and straightening.

The weed, *anacharis alsinastrum*, referred to in previous reports, still requires removal to keep the water-way clear in wet weather; but it appears to be declining, and grows less abundantly than in former years. It has been found valuable for manure, and the adjoining occupiers on some portions of the canal remove it at their own cost. For that purpose every encouragement is given by lending suitable implements to extend the practice so as to keep the navigation clear of weeds and in good order.

The works have escaped all injury from the winter floods in the adjoining rivers and streams, which in previous years caused breaches and slips in the banks; and the reaches have been maintained at the proper levels during the winter months.

By permission, some traffic has been occasionally allowed on the canal, and 1,530 tons of corn, coals, timber, iron, tiles, lime, slates, and turf were carried in lighters between Charlemont and Monaghan. The want of constant supply of water prevents a continuous trade, which may be expected when the reservoir works are completed.

I am, Sir,

Your obedient servant,

JOHN S. MASON, C.E.

Edward Hornsby, esq., Secretary,
Board of Public Works, Dublin.

Report of Mr. James M. Merrick, Inspector.

REPORT of MR. JAMES M. MERRICK, Inspector, on the STATE of the SHANNON NAVIGATION from SHANNON HARBOUR to LOUGH ALLEN; also the BOYLE WATER NAVIGATION from its Junction with the SHANNON to DRUM WHARF, near BOYLE. For year ending the 31st March, 1870.

Navigation Course from Shannon Harbour to Battle Bridge Lock.

The following works have been executed for the maintenance of the navigation channel, a length of 79 miles, between Shannon harbour and the Battle Bridge lock, through Loughs Roe, Forbes, Boffin, Bodarrig, &c.:—13 new larch guide-piles and discs have been erected, and 3 floating-piles moored; 30 guide-piles have been bushed at top, and 18 discs have been erected on others to make them more visible in fog or twilight; 26 floating-buoys have been taken up, repaired, painted, and remoored; 8 stone beacons were underpinned and pointed with cement, and 14 were painted in the distinguishing colours, red and black.

The growth of the aquatic weed, *anacharis alsinastrum*, has increased very much in the shallow parts of the Shannon and Boyle water during the past year, but not to any injurious extent in the navigation course or where the water is deep.

Shannon Bridge.

A stake and three-wire fence, 586 yards in length, has been erected at Derryholmes, to protect the spoil-bank from trespass and maintain the boundary of the Board's property.

The stone-gate piers at entrance to the lower wharf have been repaired; and a new iron gate, 10 feet wide by 5 feet high, has been erected to replace a decayed timber one.

The interior of the office and toll-collector's house was limewashed, and the timber work painted in one coat oil paint.

Athlone.

A stake and three-wire fence (very strong), 289 yards in length, has been erected on the west bank of the old canal, from the Lock Mills to the Garrison Bridge, to protect the bank from trespass by cattle. The slopes of the banks were repaired, and all slips and inequalities made good.

475 lineal feet of ¾-inch gas pipe, which had become defective, has been replaced by new pipes of 1-inch bore, to supply the lamps at Lock and on Connaught quay.

64 lineal feet of iron railing, with a gate 10 feet wide and 4½ feet high, have been erected across the south end of the Connaught quay, for the protection of the lock and to prevent trespass on the Board's property adjoining.

The lock-gates were scraped and tarred, and the iron work painted in two coats oil paint; and the chains and gear boxes of lower gates were repaired.

60 cubic yards of gravel and clay deposit, which formed a bank in the navigation channel immediately below the lock, was dredged by spoon and bag.

98 cubic yards of silt has been dredged out of the lock chamber (in like manner), and all the dredged material deposited at the up-stream side of the weir wall, to make good the backing where defective.

110 lineal feet of surface channel and a drain with iron grating have been made in the store yard, to carry off the rain water; and the boat-shed was covered with 228 square feet of patent felt, and coated with Stockholm tar.

The approaches to the swivel bridge, over the heel stones, were repaired with a concrete composed of green granite (broken small) and Roman cement.

The boundary wall and stone piers of entrance-gate to the Board's property at the east end of weir wall has been repaired.

The large flat barge has been thoroughly repaired, the exterior and interior being sheeted with red pine boarding, caulked and tarred, and the angles of sides and bottom covered with sheet iron, laid on patent felt, to protect them from injury; a new mast, sail, and rigging were also provided.

The Connaught wharf has been metalled with 40 tons of broken stones and gravel.

The old timber steam dredger—which was incapable of being further repaired, and the timbers of which had completely decayed from dry-rot—was broken up, and her engine, machinery, &c., were taken into store for sale.

Lanesborough.

Two rubble stone piers, with a timber gate 8 feet wide by 5 feet high, have been erected at entrance to the old harbour property, to prevent trespass.

The interior of the toll-collector's office has been limewashed, and the south-west boundary wall of the Board's property has been repaired.

Tarmonbarry.

The swivel bridge machinery was adjusted, scraped, and cleaned.

The lock gates were scraped and tarred, and the footboards of lower gates were repaired with red pine planking 2 inches thick.

A large amount of deposit was cleared away with bag and spoon from the sill of lower lock gates.

The joints of 25 square yards of masonry of weir wall were pointed with Roman cement; and 125 square yards of the pitched pavement at foot of weir wall, which had been disturbed by the floods of the previous winter, were taken up and reset. A wale piece of red pine, 80 feet long by 9 inches, by 3 inches, secured to elm piles, was put in at foot of pavement. 275 perches of catch drain, from the upper river embankment, have been scoured up, and all obstructions removed.

Cloondrah.

The lock-gates at this station were scraped and tarred, and 8 square yards of the masonry of the chamber pointed with Roman cement.

114 cubic yards of clay and gravel deposit, and 14 cubic yards of stones—principally brought down by the river Camlin, by the winter floods—were removed by spoon and bag dredging from the Cloondrah Canal, below the lock; and 186 cubic yards of clay and

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gravel, and 12 cubic yards of stones, were also removed from the canal above the lock.

4 large larch guard piles were driven on the upstream side of Small Weir at Fleming's Mill, to prevent canal boats drifting over during high floods.

60 lineal perches of the Cloondrah Canal, below the lock, were cleared (by drags) of the weeds which impeded the traffic of trade boats.

The lock-house was limewashed, and the barge and eave courses pointed with Portland cement.

The flooring of the timber jetty at the end of the canal was repaired, where defective, with red pine planking.

Rooskey.

Some portions of the backing of the weir wall, having been washed away by the action of the winter floods, it was made good by 100 cubic yards of puddle-staunching, and the leakage perfectly stopped.

The lock-gates were scraped and tarred.

The interior of the lock-house and out offices were limewashed.

Jamestown Canal, Lock, and Mill Buildings.

The lock-gates at Jamestown were scraped and tarred, and the iron work painted in two coats oil paint.

The foot-boards of upper lock-gates were repaired with red pine planking 2 inches thick.

Six coping-stones on the weir wall, having been displaced by the flood, were reset and securely dowelled.

Carrick-on-Shannon.

55 lineal feet of sewer, 18 inches in width, was constructed at the Roscommon side of the river, through the Board's property.

The interior of the toll-collector's house was limewashed, and the flues and fireplaces repaired.

Battle Bridge and Drumleague Locks, and Lough Allen Canal.

The lock at Battle Bridge, through the masonry and gates of which there were considerable leakages, has undergone thorough repair. The water was dammed off, and the masonry made good, where defective, and the entire carefully pointed with cement. The side-walls of fore-bay of lock were taken down and rebuilt, which enabled the counterfort of the hollow quoins, in connexion therewith—which was very defective—to be also thoroughly repaired, pointed, and staunched. The pavement and sills of the upper gates were staunched with cement grouting, and carefully pointed.

The coping was taken up and properly reset, and the concrete backing to side-walls and all puddle staunching made good where defective.

The lower lock gates were repaired and staunched by red pine counter-sheeting, laid on patent felt, well tarred.

And a pair of sluice paddles were fixed in the upper gates, and all defects in the sheeting made good.

The gates at Drumleague lock were scraped and tarred, and all leakages staunched. The upper gates were strengthened by 1½-inch oak planking, bolted to the cross framing. The joints of masonry were pointed where necessary, the puddle-staunching made good where defective, and all leakages effectually stopped.

The exterior and interior of the lock-house were limewashed.

The Boyle Water.

To facilitate the ascent of salmon to the upper waters of Lough Key and the Boyle river, the old mill-race, extending from the south end of weir-wall to Knockvicar bridge (down stream), a distance of 352 yards, has been scoured up, and the dam at upper end and all obstructions removed, 45 lineal feet of rough stone wall was built at the outfall, to divert the stream into the deep channel through the centre arch of the bridge, and two dozen of iron stakes were driven in the bottom of the race to prevent poachers from drawing nets.

General State of the Works.

The general state of the works is most satisfactory. The harbours and wharves at Lecarrow, Dromod, Drumsna, Carnadoe, Jamestown, Kilbride, and Drumshambo, on the Shannon; and also at Cootehall, Knockvicar, and Drum wharf, on the Boyle water, are in good preservation.

JAMES M. MERRICK, Inspector,
Shannon Office, Athlone,
31st March, 1870.

To the Secretary, Board of Public Works,
Custom House, Dublin.

REPORT of MR. WILLIAM MOLLOY, Inspector, on the STATE of the SHANNON NAVIGATION (LIMERICK DISTRICT), and the MAIGUE NAVIGATION. For the year 1869.

Report of Mr. William Molloy, Inspector.

Shannon Office, Limerick,
28th February, 1870.

SIR,—I beg leave to submit to you for the information of the Board the following report of the state of the works on the Lower and Middle Shannon, which have been carefully maintained during the past year, and are all now in a good state of repair.

Querrin.

The roadway to the pier has been repaired with 10 tons of strong gravel.

Kilrush.

A new store-house 30 feet long by 11 feet wide has been built on the pier, which affords very great accommodation to the public. This store is now rented to the Messrs. Malcomson Brothers, who run their steamers daily between this station and Limerick, also in connexion with the Limerick and Foynes Railway Company. An office for the Collector, with waiting-room for passengers travelling by steamers, has been built on the pier, which affords a degree of accommodation not heretofore enjoyed by the public. The old portion of the pier adjoining the roadway has been pinned, the stone stairs renewed by rough punching the surface to prevent the passengers from slipping. The two hoisting-cranes scraped, cleaned, and painted.

Saleen.

The surface of the wharf has been repaired with 10 tons strong gravel. A retaining wall 15 feet long 6 feet high and 18 inches thick built at end of house to prevent the garden from injury by high tides. The Collector's house has been whitened, the doors and windows painted one coat in oil paint.

Kilteery Pier.

The works of this station are in good order. No expenditure incurred during the year.

Foynes Harbour.

The wharf has been repaired with 10 tons of broken stones. The four hoisting-cranes on the pier have been scraped, cleaned, and painted in oil paint, the stays of two of them have been coated with well boiled Stockholm tar. The accumulation of silt is on the increase, which very much affects vessels entering the harbour.

Clare.

The wharf has been repaired with 20 cubic yards of broken stones, the berths for vessels frequenting the port cleaned and made even, the office lime-whitened, and the Collector's name painted on same.

Limerick Navigation.

The canal banks, wharves, roadways, bridges, and towing paths between Limerick and Killaloe, a distance of 16 miles have been well and carefully maintained. In consequence of the high floods during the months of December and January portions of the towing-paths on the Shannon levels were covered with water, when the floods receded the banks were soft and several slips took place in them, which were attended to without delay. The wharf and roadway at Limerick between Clare

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APPENDIX D.

Report of Mr. William Molloy, Inspector.

street and the canal stores have been repaired with 95 cubic yards of broken stones. The towing-paths have been repaired with 350 tons of gravel, 97 yards superficial of stone pitching, 325 yards superficial sodding slopes of banks, 1,336 perches lineal of boundary drains cleaned and deepened, 987 perches of the canal dragged and cleaned of weeds, which formed an obstruction to the trade boats. The lock-gates twenty-four in number have been kept in good repair, 9 new balance beams, 8 new logger heads with rollers and cheeks. Four uprights and brackets have been put on the several gates. The old balance beams and sheeting of all the gates have been scraped, cleaned, and coated with Stockholm tar. Iron-work painted, one coat in oil. The lock-houses, stores, &c., twenty-one in number, have been lime-whitened. The wood work of doors and windows painted, one coat in oil paint.

World's End.

The stone pitching of the road wall from the quay to the entrance gate was very much injured by the heavy floods. It has been repaired by under pinning and building 45 superficial yards of walling.

Bunown—Ardcloony River.

The successive floods in the river during the past year have brought down large quantities of shingle and gravel from the mountains, which were trapped above the towing-path and prevented from being driven into the navigation course; 1,386 cubic yards of this gravel has been removed by horses and carts, and several breaches in the embankments repaired and made good.

Killaloe.

The collector's and caretaker's houses and storehouses on the canal banks have been repaired and lime-whitened. A portion of the roof of the storehouse in the ship-yard being defective, the ends of the rafters decayed had to be stripped and renewed with Countess slates on sawn laths two squares. The river wall between the lock house and the pier-head has been underpinned and pointed 180 superficial yards, and 92 feet lineal, by 3 feet high and 18 inches thick, of parapet road wall built in mortar. Three barges repaired, viz.:—No. 1, repaired with 26 new oak timbers 5 feet × 5″ × 5″. 170 feet superficial of 2-inch red pine sheeting on sides and ends, and 1,120 feet of caulking, two threads paid off, the entire coated with Stockholm tar. One new end deck 14 feet square, on joists 14 feet long 7″ × 4″ deep, covered with 2-inch red pine sheeting, the seams caulked and paid off. No. 2 barge—repaired with 22 oak timbers on sides, 5 feet by 5″ × 5″ square, 10 angle boards on ends, 11 feet long, 7″ deep, and 5″ thick, 250 feet superficial of 2-inch red pine sheeting on sides and ends, 1,250 feet of caulking, two threads paid off, the whole coated with Stockholm tar, two end decks 14 feet square, each shored up and counter-sheeted with one-inch red pine sheeting. No. 6.—10 ton barge has been thoroughly repaired, viz.:—Two new kelsons of red pine 18 feet long, 9″ × 6″, 30 oak timbers, 3 feet long, 4″ × 4″, 238 feet of red pine sheeting, 2 inches thick, 950 feet of caulking on sides, ends, and bottom, two threads paid off, 144 feet superficial of 1½″ thick ceiling on bottom, the whole coated with Stockholm tar.

Scarriff.

Both quays at this station are in good repair. No expenditure incurred during the past year.

Mount Shannon.

The pier at this station is in good repair. No expenditure incurred during the past year.

Portumna.

The wharf has been repaired with 12 cubic yards of broken stones, a car passage from the roadway to the wharf, on the western side has been constructed to store timber when required for that purpose. The wooden jetty has been renewed by driving 26 strong piles in front, and 47 short piles at rere to support the superstructure, 18 joists, 8 feet long, 10″ × 6″ deep, 160 feet lineal of waleing, 10″ × 6″ thick, and 360 feet superficial of 3-inch sheet on top. The toll-house lime-whitened, and office on wharf coated with Stockholm tar.

Meelick.

The footways on both breast and tail gates have been counter-sheeted with 351 feet superficial of inch red pine, four pair of strap hinges over heel posts, the brasses in tail gates reversed, and 35 feet superficial 3-inch sheeting on deep gates. Several leakages having appeared from time to time in the new canal banks had been attended to without delay, the breaches made good and the leaks stopped with well-tempered puddle, and in some cases at the rere of those leaks, sheeting piles had been driven to prevent the puddle from being driven away; latterly they have become troublesome, as year after year they break out in different places through the bottom of the canal and under the banks in several instances, breaking up in the adjoining fields. The lock-house lime-whitened, the roofs of the stores overhauled and pointed, 230 perches of side drains cleaned and all obstructions removed. Two small barges repaired, viz.:—No. 1, with two kelsons of red pine, 20 feet long, 7″ × 6″, 16 timbers, 3 feet, 4″ × 4″, four timbers, 4 feet 6″ long, 5 inches square, 30 feet superficial of 2-inch sheeting on sides and ends, 160 feet of ceiling inside, 1½″ thick, 280 feet of seams caulked. No. 2, 16 timbers, 2 feet long, 4 inches square, 64 feet superficial of 1½ inch sheeting on sides and ends, 190 feet of caulking seams all paid off and coated with Stockholm tar.

Cloonaheenogue Canal.

The lock-house has been lime-whitened, the lock-gates cleaned and coated with Stockholm tar. Some repairs executed on superstructure of Allen's Bridge, 396 perches of boundary drain scoured and deepened. A rough stone wall has been built in from the road leading from Lavagh, 100 feet long, 5 feet high, and 18 inches thick, to prevent the canal bank from being worn away.

Banagher.

The Collector's house has been lime-whitened, the roof repaired and pointed, windows, doors, and flooring of the storehouse repaired, the Collector's office repaired and sides and ends coated with tar. The hand dredger was employed and removed 260 cubic yards of stuff and weeds from the harbour.

Shannon Harbour.

The entire of the wooden bridge, piles, stays, struts, sheeting, and rails had been all scraped and coated with Stockholm tar; the approaches to both ends of this bridge raised 18 inches high, and a stone pitching of 38 yards superficial, built to protect the sides of same. The approaches to the ferryboat have been made good. The ferry-house lime-whitened and doors painted.

General Navigation.

The necessary guide piles, buoys and beacons for defining the sailing course have been attended to, viz.:—29 piles driven between Victoria Harbour and Portumna, and seven buoys placed on shoals on Lough Derg. The stone beacon on Derry Rock has been rebuilt and the different other beacons, nine in number, have been lime-whitened.

River Maigue Navigation.

The Collector's house has been repaired and lime-whitened, the Swivel Bridge scraped, cleaned, and painted two coats in oil. The obstructions in the navigation course and silt in the harbour removed, 296 cubic yards of stuff taken therefrom.

I have the honour to be, Sir,
Your obedient servant,
WILLIAM MOLLOY.

The Secretary, Board Public Works,
Custom-House, Dublin.

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